

TECHNICAL CATALOGUE

Specifications | Details | Installation guides



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PARTITION WALLS

Technogips Pro W1-1



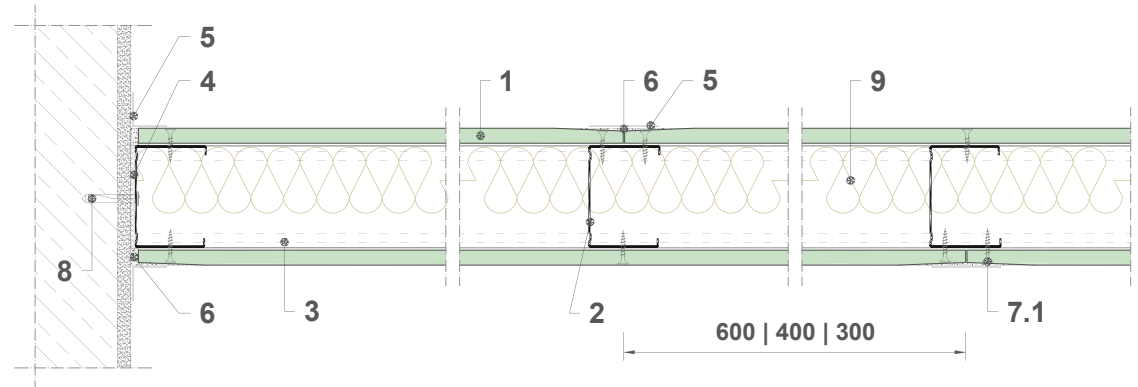
 **30** **45** **60** **90** **120** **180**

 Airborne Sound Insulation
R_w up to 57 dB

 Wall Self-Weight
up to 31 kg/m²

 Wall Thickness
75 | 100 | 125 | 150 | 175 mm

 Wall Heights
up to 10.95 m

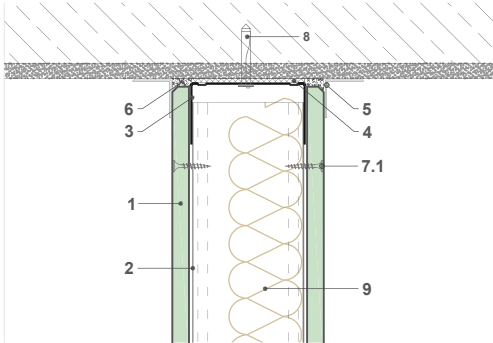


Material consumption* per 1 m²			Stud spacing [mm]		
			600	400	300
1	Technogips Pro Board Type A / H2 / DF / DFH2 / Sound Comfort Extra DF / Titan Board / Blue Board	m²	2.0	2.0	2.0
2	Premium Profile CW 50, 75, 100, 125, 150 / 0.6 mm	m	2.0	3.0	4.0
3	Premium Profile UW 50, 75, 100, 125, 150 / 0.6 mm	m	0.7	0.8	0.9
4	Acoustic foam tape @ the peripheral profiles	m	1.2	1.2	1.2
5	Joint tape @ all last layers joints + peripheral ones	m	3.0	3.0	3.0
6	Joint filler FUGA&FINISH Light / FUGA for fire protection @ all layers	kg	0.6 / 0.7	0.6 / 0.7	0.6 / 0.7
7.1	Drywall screw 3.5 x 25 mm @ 250 mm	pcs	30.0	45.0	0.7
8	Nail plug @ 500 mm Ceiling anchor for fire protection @ 500 mm	pcs	1.6	1.6	1.6
9	Mineral wool (optional)	m²	1.0	1.0	1.0
	Skim coat SATEN / FUGA&FINISH Light	kg	1.7 / 1.0	1.7 / 1.0	1.7 / 1.0

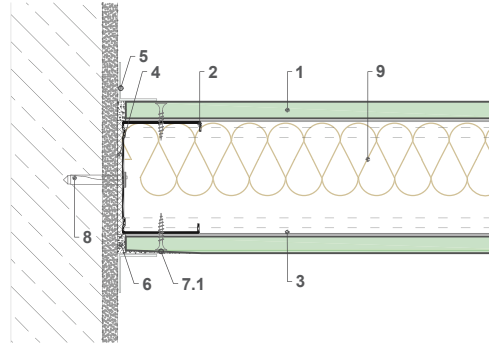
* The consumption quantities are calculated for a straight wall, without openings and curves, with surface area of 10.8 m² (2.7 m in height and 4.0 m in width), without losses and wastes.

* Insulation needed to achieve the given permissible heights - thickness min 50 mm and density min 40 kg/m³, according to EN 13162

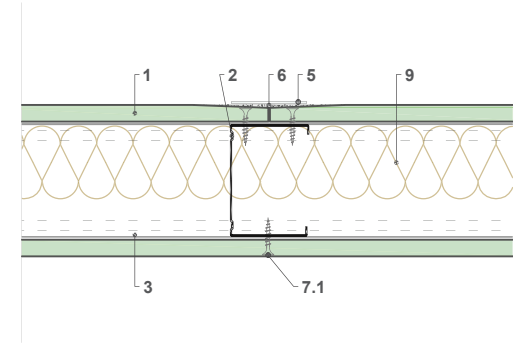
V01 Upper connection to massive element



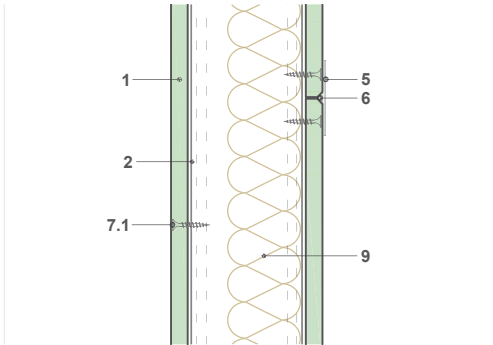
H01 Connection to massive element



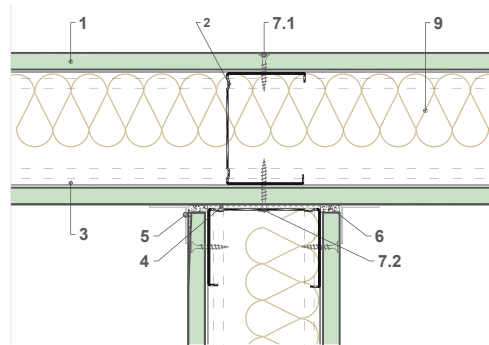
H02 Joint



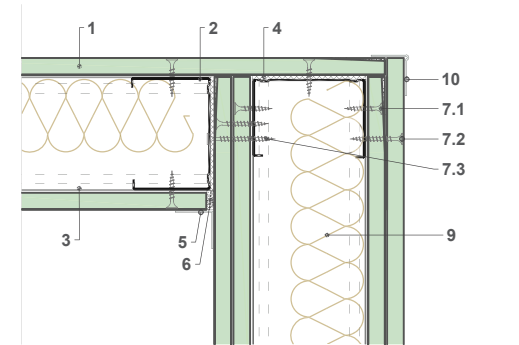
VO2 Joint



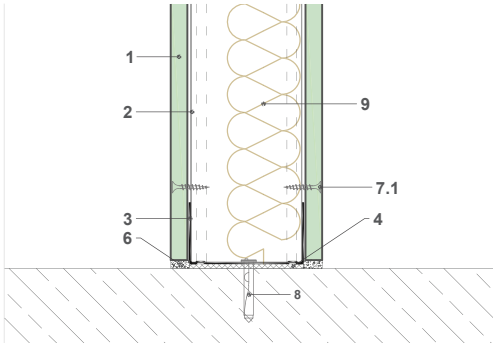
H03 T-intersection



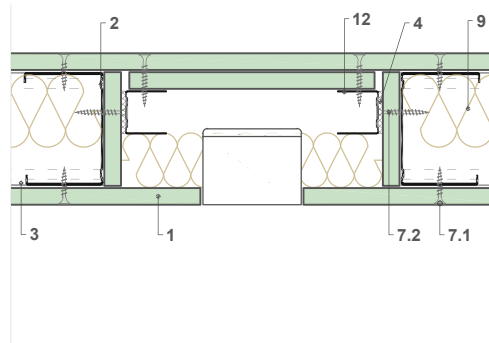
H04.2 Corner intersection W1-1 with W1-2



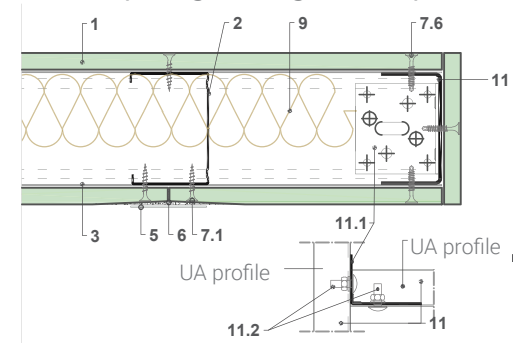
V03.1 Lower connection to massive floor



H12 Electrical outlet



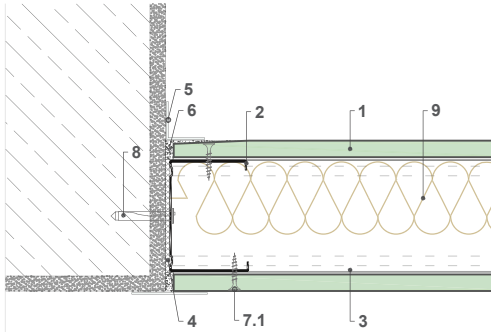
H11 Opening forming with UA profile



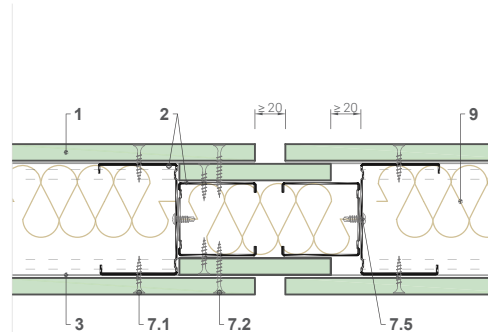
SYSTEM COMPONENTS Technogips Pro

1. Technogips Pro Board 12.5 mm	5. Joint tape	7.3. Drywall screw 3.5 x 45 mm	8. Nail plug / Ceiling anchor 6 x 40, 60, 80 mm	11.1. Angle for UA profile
2. Premium Profile CW	6. Joint filler FUGA	7.4. Drywall screw 3.5 x 55 mm	9. Mineral wool	11.2. Frame fitting screw for UA profile
3. Premium Profile UW	7.1. Drywall screw 3.5 x 25 mm	7.5. Self-drilling screw TEX 4.2 x 13 mm	10. Angle bead	12. Premium Profile UD
4. Acoustic foam tape	7.2. Drywall screw 3.5 x 35 mm	7.6. Self-drilling screw 3.5 x 25, 35 mm	11. Premium Profile UA	13. Premium Profile CD

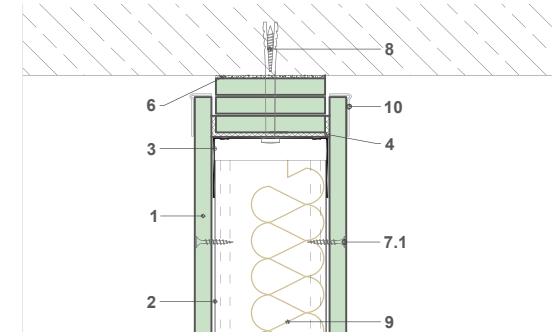
H01 Connection to massive element



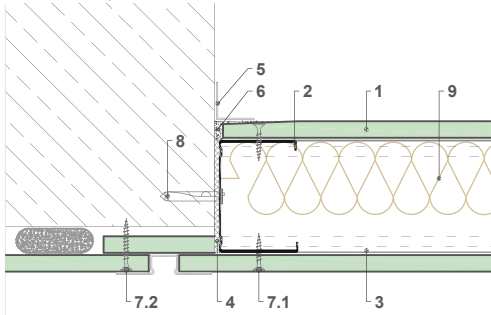
H05 Expansion gap



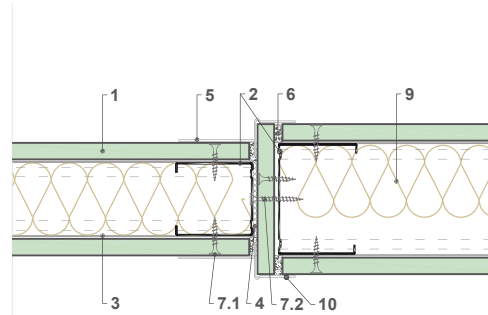
V04 Upper connection to massive element



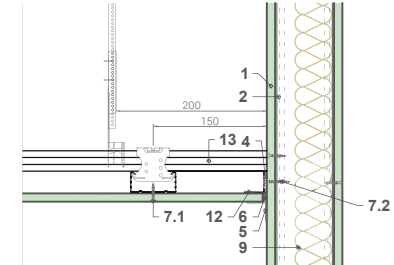
H08.1 Connection W1-1 with L0-1



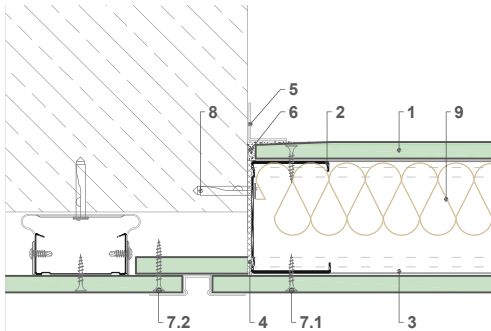
H06 Transition between walls



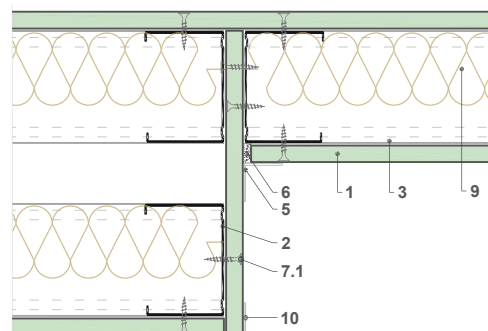
V05 Upper connection W1-1 to C1-1



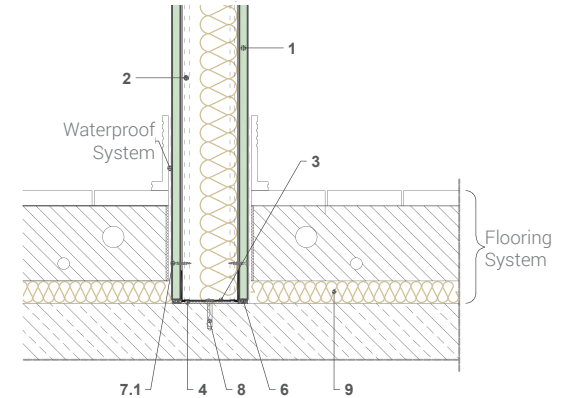
H08.2 Connection W1-1 with L1-1



H09 Connection W1-1 with W2-1



V03.2 Lower connection to flooring system



SYSTEM COMPONENTS Technogips Pro

1. Technogips Pro Board 12.5 mm	5. Joint tape	7.3. Drywall screw 3.5 x 45 mm	8. Nail plug / Ceiling anchor 6 x 40, 60, 80 mm	11.1. Angle for UA profile
2. Premium Profile CW	6. Joint filler FUGA	7.4. Drywall screw 3.5 x 55 mm	9. Insulation	11.2. Frame fitting screw for UA profile
3. Premium Profile UW	7.1. Drywall screw 3.5 x 25 mm	7.5. Self-drilling screw TEX 4.2 x 13 mm	10. Angle bead	12. Premium Profile UD
4. Acoustic foam tape	7.2. Drywall screw 3.5 x 35 mm	7.6. Self-drilling screw 3.5 x 25, 35 mm	11. Premium Profile UA	13. Premium Profile CD

Detail for High Walls W1-1 - Upper connection to massive element, vertical section

The selection of the type of the upper connection and the type of UW profile depends on the height of the wall and **a** - the expected maximum deviation of the system.

Details of upper connections below:

SYSTEM COMPONENTS Technogips Pro				
1. Board 12.5 mm				
2. Premium Profile CW				
3. Premium Profile UW				
4. Acoustic foam tape				
6. Joint filler FUGA				
7.1. Drywall screw 3.5 x 25 mm				
7.2. Drywall screw 3.5 x 35 mm				
7.4. Drywall screw 3.5 x 55 mm				
8.1. Ceiling anchor 6 x 40, 60, 80 mm				
8.2. Concrete screwbolt				
8.3. Bolt anchor				
9. Insulation strip				
Detail		V01.1	V01.2	V01.3
Height (m)		≤ 4 m	≤ 6 m	≤ 12 m
Deflection - a (mm)		a ≤ 10 mm	a ≤ 20 mm	30 ≤ a ≤ 60 mm
UW Profile - section		Standard size UW profile with flange c=40 mm	Standard size UW profile with flange c=40 mm	Reinforced UW profile with flange c=120 mm
UW Profile - thickness		0.6 mm	0.6 mm	1.0 mm

The specified maximum deflection of system (**a**) includes the total displacement of the floor slabs and the extension of the CW profile in the case of a fire.
With an expected deviation (**a**) > 70 mm, an special connection should be specified by request.

PARTITION WALLS

Technogips Pro W1-2



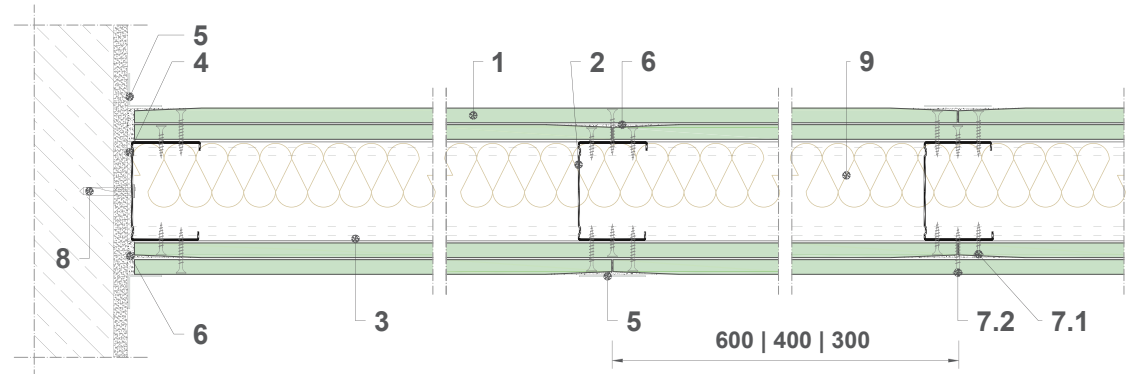
 **30 45 60 90 120 180**

 Airborne Sound Insulation
R_w up to 64 dB

 Wall Self-Weight
up to 58 kg/m²

 Wall Thickness
100 | 125 | 150 | 175 | 200 mm

 Wall Heights
up to 12 m



Material consumption* per 1 m²			Stud spacing [mm]		
			600	400	300
1	Technogips Pro Board Type A / H2 / DF / DFH2 / Sound Comfort Extra DF / Titan Board / Blue Board	m²	4.0	4.0	4.0
2	Premium Profile CW 50, 75, 100, 125, 150 / 0.6 mm	m	2.0	3.0	4.0
3	Premium Profile UW 50, 75, 100, 125, 150 / 0.6 mm	m	0.7	0.8	0.9
4	Acoustic foam tape @ the peripheral profiles	m	1.2	1.2	1.2
5	Joint tape** @ all last layers joints + peripheral ones	m	3.0	3.0	3.0
6	Joint filler FUGA&FINISH Light / FUGA for fire protection @ all layers	kg	1.4 / 1.2	1.4 / 1.2	1.4 / 1.2
7.1	Drywall screw 3.5 x 25 mm @ 500 mm	pcs	15.0	18.0	30.0
7.2	Drywall screw 3.5 x 35 mm / @ 250 mm / @ 12.5 mm plasterboards Drywall screw 3.5 x 45 mm / @ 250 mm / @ 15 mm plasterboards	pcs	30.0	45.0	60.0
8	Nail plug @ 500 mm Ceiling anchor for fire protection @ 500 mm	pcs	1.6	1.6	1.6
9	Mineral wool (optional)	m²	1.0	1.0	1.0
	Skim coat SATEN / FUGA&FINISH Light	kg	1.7 / 1.0	1.7 / 1.0	1.7 / 1.0

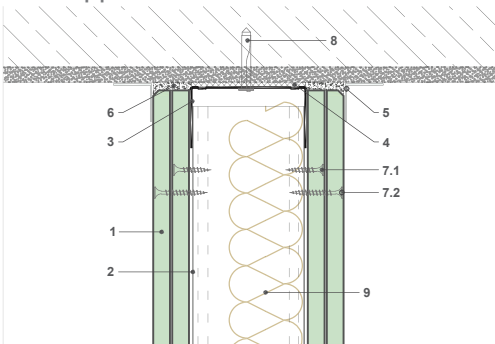
* The consumption quantities are calculated for a straight wall, without openings and curves, with surface area of 10.8 m² (2.7 m in height and 4.0 m in width), without losses and wastes.

** In case of Fire Protection requirements, it is necessary to apply Joint tape on each layer. The consumption will be 6.0 m for 1 m²

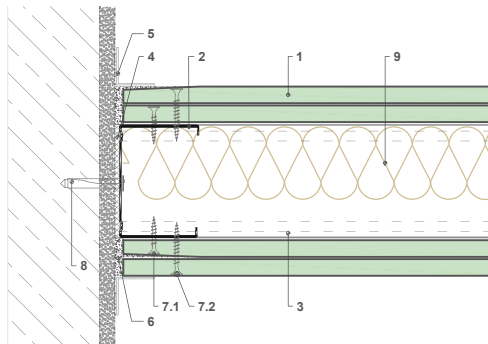
PARTITION WALLS Technogips Pro W1-2 Single Metal Stud Frame – Double Layer Cladding

Board		Wall Weight	Wall Thickness	Profile	Insulation	Sound Insulation Rw ²⁾			Fire Protection (without insulation)																											
Type	Thickness			Cavity	Thickness	Rw glass wool	Rw stone wool	Rw without insulation	EI 0 ³⁾			EI 30			EI 45			EI 60			EI 90			EI 120			EI 180									
	minimum				without insulation				minimum	Profile Spacing, mm																										
	mm				kg/m²				mm	mm	mm	dB	dB	dB	600	400	300	600	400	300	600	400	300	600	400	300	600	400	300	600	400	300	600	400	300	
Maximum permissible heights depending on the type of lining, m ¹⁾																																				
A	2x12.5	40	100	CW 50	40	52	54	47	4.00	4.00	4.35	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00											
H2	2x12.5	40	100		40	52	54	47	4.00	4.00	4.35	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00											
DF	2x12.5	46	100		40	54	56	49	4.00	4.00	4.35	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00							
DFH2	2x12.5	46	100		40	54	56	49	4.00	4.00	4.35	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00							
Sound Comfort Extra DF	2x12.5	52	100		40	56	58	51	4.00	4.00	4.35	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00						
Titan Board DFH1IR	2x12.5	56	100		40	58	61	53	4.80	5.50	6.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00						
Blue Board GMFH1IR	2x12.5	54	100		40	57	60	52	4.80	5.50	6.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00						
DF	2x15	56	110		40	56	58	51	4.00	4.00	4.35	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00						
DFH2	2x15	56	110	40	56	58	51	4.00	4.00	4.35	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00							
A	2x12.5	40	125	CW 75	60	55	56	49	5.05	5.95	6.50	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00											
H2	2x12.5	40	125		60	55	56	49	5.05	5.95	6.50	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00											
DF	2x12.5	46	125		60	57	59	51	5.05	5.95	6.50	5.05	5.95	6.50	5.05	5.95	6.50	5.05	5.95	6.50	5.05	5.95	6.50	5.05	5.95	6.50	4.00	4.00	4.00							
DFH2	2x12.5	46	125		60	57	59	51	5.05	5.95	6.50	5.05	5.95	6.50	5.05	5.95	6.50	5.05	5.95	6.50	5.05	5.95	6.50	5.05	5.95	6.50	4.00	4.00	4.00							
Sound Comfort Extra DF	2x12.5	52	125		60	60	61	54	5.05	5.95	6.50	5.05	5.95	6.50	5.05	5.95	6.50	5.05	5.95	6.50	5.05	5.95	6.50	5.05	5.95	6.50	4.00	4.00	4.00							
Titan Board DFH1IR	2x12.5	56	125		60	61	62	55	7.25	7.80	8.00	7.25	7.80	8.00	7.25	7.80	8.00	6.76	7.85	8.20	6.04	6.99	7.74	4.00	4.00	4.00	4.00	4.00	4.00							
Blue Board GMFH1IR	2x12.5	54	125		60	60	61	54	7.25	7.80	8.00	7.25	7.80	8.00	7.25	7.80	8.00	6.76	7.85	8.20	6.04	6.99	7.74	4.00	4.00	4.00	4.00	4.00	4.00							
DF	2x15	56	135		60	58	60	54	5.05	5.95	6.50	5.05	5.95	6.50	5.05	5.95	6.50	5.05	5.95	6.50	5.05	5.95	6.50	5.05	5.95	6.50	4.00	4.00	4.00							
DFH2	2x15	56	135	60	58	60	54	5.05	5.95	6.50	5.05	5.95	6.50	5.05	5.95	6.50	5.05	5.95	6.50	5.05	5.95	6.50	5.05	5.95	6.50	4.00	4.00	4.00								
A	2x12.5	40	150	CW 100	80	56	58	51	7.15	8.05	8.55	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00											
H2	2x12.5	40	150		80	56	58	51	7.15	8.05	8.55	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00											
DF	2x12.5	46	150		80	59	61	53	7.15	8.05	8.55	7.15	8.05	8.55	7.15	8.05	8.55	7.15	8.05	8.55	7.15	8.05	8.55	7.15	8.05	8.55	4.00	4.00	4.00							
DFH2	2x12.5	46	150		80	59	61	53	7.15	8.05	8.55	7.15	8.05	8.55	7.15	8.05	8.55	7.15	8.05	8.55	7.15	8.05	8.55	7.15	8.05	8.55	4.00	4.00	4.00							
Sound Comfort Extra DF	2x12.5	52	150		80	61	63	55	7.15	8.05	8.55	7.15	8.05	8.55	7.15	8.05	8.55	7.15	8.05	8.55	7.15	8.05	8.55	7.15	8.05	8.55	4.00	4.00	4.00							
Titan Board DFH1IR	2x12.5	56	150		80	62	63	57	9.50	9.70	10.00	9.50	9.70	10.00	9.50	9.70	10.00	8.28	9.66	10.00	7.44	8.59	9.52	4.00	4.00	4.00	4.00	4.00	4.00							
Blue Board GMFH1IR	2x12.5	54	150		80	61	63	56	9.50	9.70	10.00	9.50	9.70	10.00	9.50	9.70	10.00	8.28	9.66	10.00	7.44	8.59	9.52	4.00	4.00	4.00	4.00	4.00	4.00							
DF	2x15	56	160		80	60	61	55	7.15	8.05	8.55	7.15	8.05	8.55	7.15	8.05	8.55	7.15	8.05	8.55	7.15	8.05	8.55	7.15	8.05	8.55	4.00	4.00	4.00							
DFH2	2x15	56	160	80	60	61	55	7.15	8.05	8.55	7.15	8.05	8.55	7.15	8.05	8.55	7.15	8.05	8.55	7.15	8.05	8.55	7.15	8.05	8.55	4.00	4.00	4.00								
A	2x12.5	42	175	CW 125	100	58	59	52	9.05	9.65	10.10	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00											
H2	2x12.5	42	175		100	58	59	52	9.05	9.65	10.10	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00											
DF	2x12.5	48	175		100	60	61	54	9.05	9.65	10.10	9.05	9.65	10.10	9.05	9.65	10.10	9.05	9.65	10.10	9.05	9.65	10.10	9.05	9.65	10.10	4.00	4.00	4.00							
DFH2	2x12.5	48	175		100	60	61	54	9.05	9.65	10.10	9.05	9.65	10.10	9.05	9.65	10.10	9.05	9.65	10.10	9.05	9.65	10.10	9.05	9.65	10.10	4.00	4.00	4.00							
Sound Comfort Extra DF	2x12.5	54	175		100	62	63	56	9.05	9.65	10.10	9.05	9.65	10.10	9.05	9.65	10.10	9.05	9.65	10.10	9.05	9.65	10.10	9.05	9.65	10.10	4.00	4.00	4.00							
Titan Board DFH1IR	2x12.5	58	175		100	63	64	58	10.50	11.00	11.50	10.50	11.00	11.50	10.50	11.00	11.50	9.71	11.20	11.50	8.76	10.11	11.20	4.00	4.00	4.00	4.00	4.00	4.00							
Blue Board GMFH1IR	2x12.5	56	175		100	62	63	57	10.50	11.00	11.50	10.50	11.00	11.50	10.50	11.00	11.50	9.71	11.20	11.50	8.76	10.11	11.20	4.00	4.00	4.00	4.00	4.00	4.00							
DF	2x15	58	185		100	61	62	56	9.05	9.65	10.10	9.05	9.65	10.10	9.05	9.65	10.10	9.05	9.65	10.10	9.05	9.65	10.10	9.05	9.65	10.10	4.00	4.00	4.00							
DFH2	2x15	58	185	100	61	62	56	9.05	9.65	10.10	9.05	9.65	10.10	9.05	9.65	10.10	9.05	9.65	10.10	9.05	9.65	10.10	9.05	9.65	10.10	4.00	4.00	4.00								
A	2x12.5	42	200	CW 150	120	58	60	52	10.35	10.95	11.40	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00											
H2	2x12.5	42	200		120	58	60	52	10.35	10.95	11.40	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00											
DF	2x12.5	48	200		120	61	62	54	10.35	10.95	11.40	10.35	10.95	11.40	10.35	10.95	11.40	10.35	10.95	11.40	10.35	10.95	11.40	10.35	10.95	11.40	4.00	4.00	4.00							
DFH2	2x12.5	48	200		120	61	62	54	10.35	10.95	11.40	10.35	10.95	11.40	10.35	10.95	11.40	10.35	10.95	11.40	10.35	10.95	11.4													

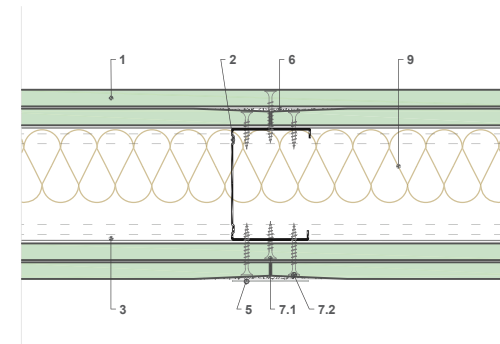
V01 Upper connection to massive element



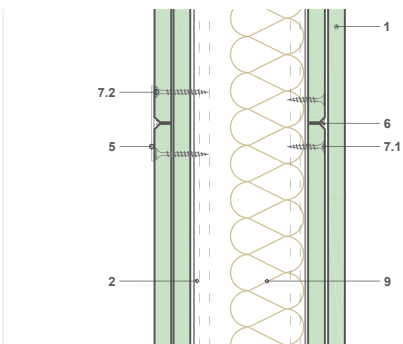
H01 Connection to massive element



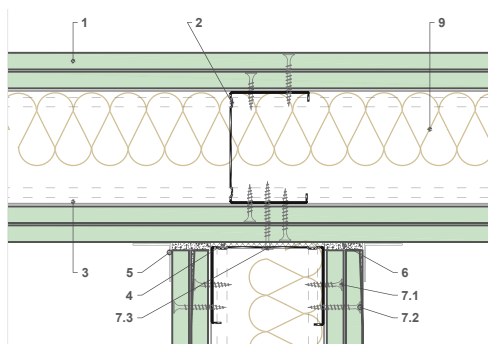
H02 Joint



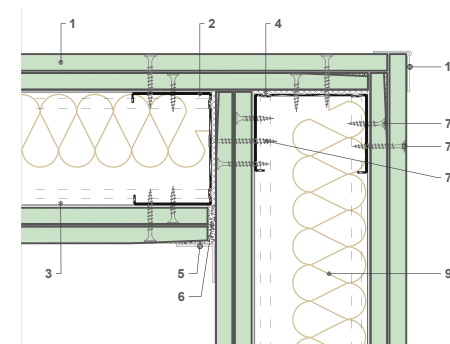
V02 Joint



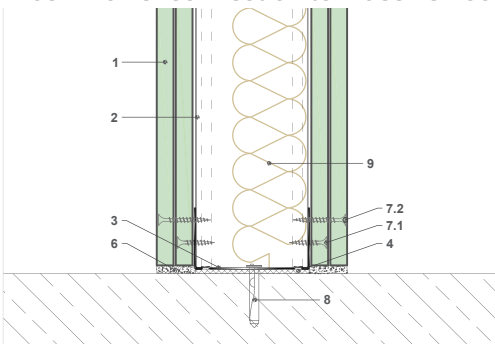
H03 T-intersection



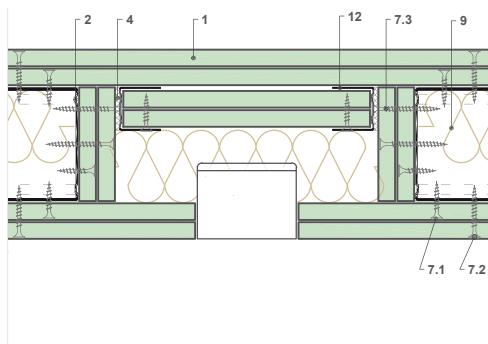
H04.2 Corner intersection W1-2 with W1-2



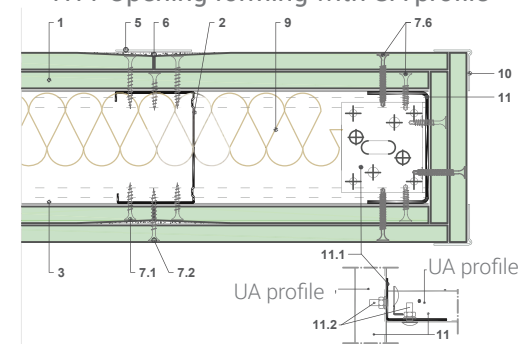
V03.1 Lower connection to massive floor



H12 Electrical outlet



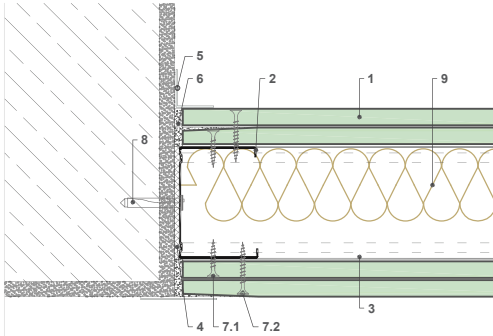
H11 Opening forming with UA profile



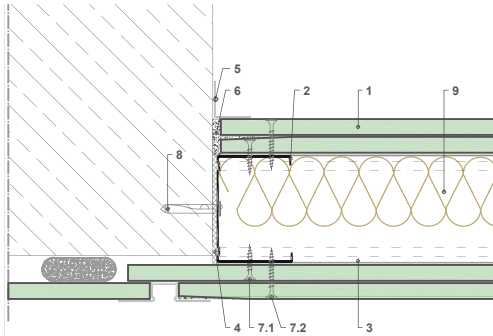
SYSTEM COMPONENTS Technogips Pro

1. Technogips Pro Board 12.5 mm	5. Joint tape	7.3. Drywall screw 3.5 x 45 mm	8. Nail plug / Ceiling anchor 6 x 40, 60, 80 mm	11.1. Angle for UA profile
2. Premium Profile CW	6. Joint filler FUGA	7.4. Drywall screw 3.5 x 55 mm	9. Mineral wool	11.2. Frame fitting screw for UA profile
3. Premium Profile UW	7.1. Drywall screw 3.5 x 25 mm	7.5. Self-drilling screw TEX 4.2 x 13 mm	10. Angle bead	12. Premium Profile UD
4. Acoustic foam tape	7.2. Drywall screw 3.5 x 35 mm	7.6. Self-drilling screw 3.5 x 25, 35 mm	11. Premium Profile UA	13. Premium Profile CD

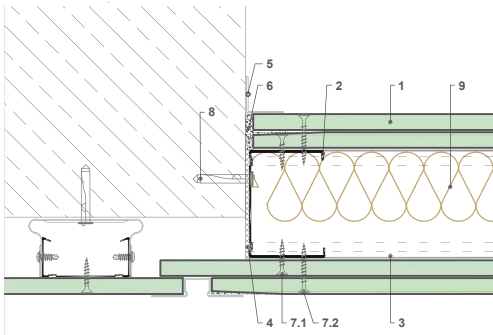
H01 Connection to massive element



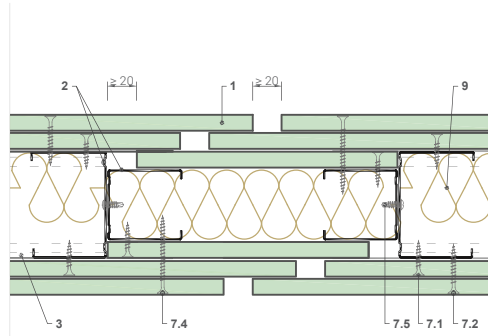
H08.1 Connection W1-2 with L0-1



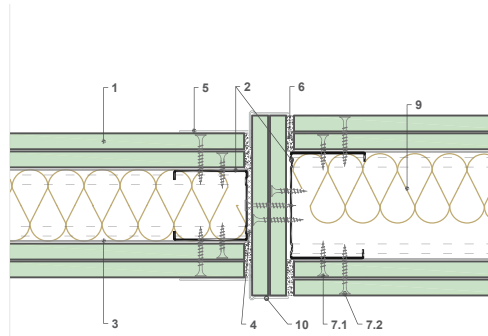
H08.2 Connection W1-2 with L1-1



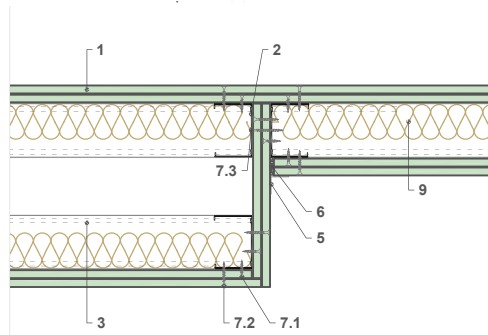
H05 Expansion gap



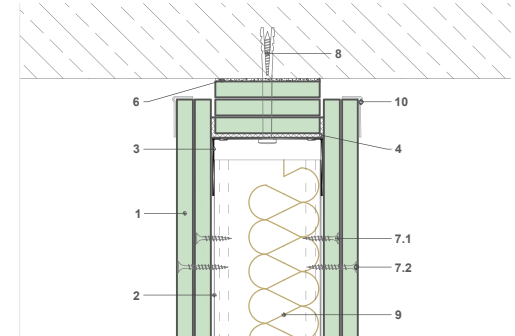
H06 Transition between walls



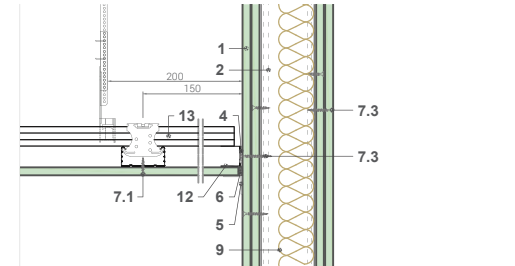
H09 Connection W1-2 with W2-2B



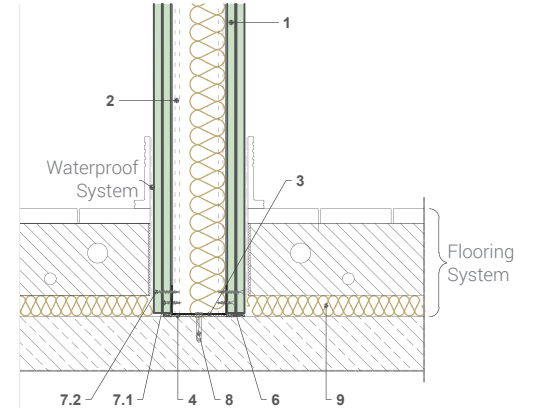
V04 Upper connection with flooring system



V05 Upper connection W1-2 to C1-1



V03.2 Lower connection to flooring system



SYSTEM COMPONENTS Technogips Pro

1. Technogips Pro Board 12.5 mm	5. Joint tape	7.3. Drywall screw 3.5 x 45 mm	8. Nail plug / Ceiling anchor 6 x 40, 60, 80 mm	11.1. Angle for UA profile
2. Premium Profile CW	6. Joint filler FUGA	7.4. Drywall screw 3.5 x 55 mm	9. Insulation	11.2. Frame fitting screw for UA profile
3. Premium Profile UW	7.1. Drywall screw 3.5 x 25 mm	7.5. Self-drilling screw TEX 4.2 x 13 mm	10. Angle bead	12. Premium Profile UD
4. Acoustic foam tape	7.2. Drywall screw 3.5 x 35 mm	7.6. Self-drilling screw 3.5 x 25, 35 mm	11. Premium Profile UA	13. Premium Profile CD

Detail for High Walls W1-2 - Upper connection to massive element, vertical section

The selection of the type of the upper connection and the type of UW profile depends on the height of the wall and **a** - the expected maximum deviation of the system.

Details of upper connections below:

SYSTEM COMPONENTS Technogips Pro				
1. Board 12.5 mm				
2. Premium Profile CW				
3. Premium Profile UW				
4. Acoustic foam tape				
6. Joint filler FUGA				
7.1. Drywall screw 3.5 x 25 mm				
7.2. Drywall screw 3.5 x 35 mm				
7.4. Drywall screw 3.5 x 55 mm				
8.1. Ceiling anchor 6 x 40, 60, 80 mm				
8.2. Concrete screwbolt				
8.3. Bolt anchor				
9. Insulation strip				
Detail		V01.1	V01.2	V01.3
Height (m)		≤ 4 m	≤ 6 m	≤ 12 m
Deflection - a (mm)		$a \leq 10$ mm	$a \leq 20$ mm	$30 \leq a \leq 60$ mm
UW Profile - section		Standard size UW profile with flange $c=40$ mm	Standard size UW profile with flange $c=40$ mm	Reinforced UW profile with flange $c=120$ mm
UW Profile - thickness		0.6 mm	0.6 mm	1.0 mm

The specified maximum deflection of system (**a**) includes the total displacement of the floor slabs and the extension of the CW profile in the case of a fire.
With an expected deviation (**a**) > 70 mm, an special connection should be specified by request.

PARTITION WALLS

Technogips Pro W1-3



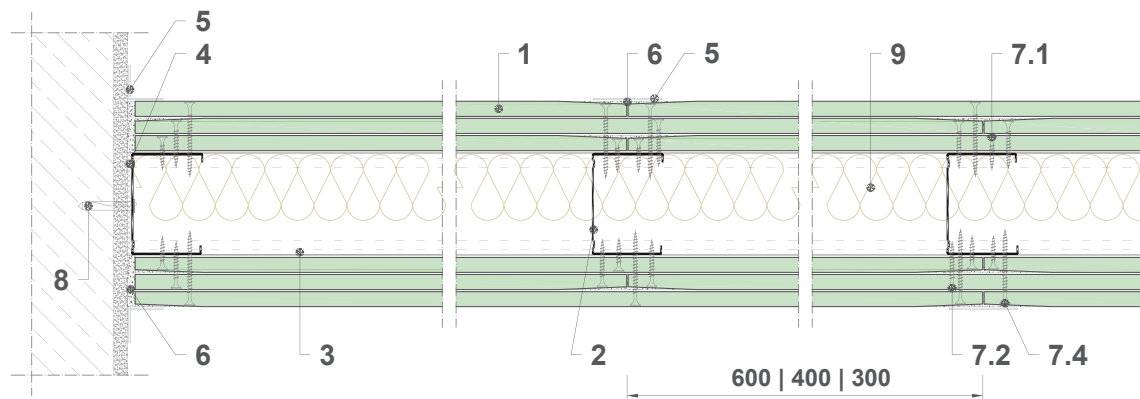
 **30 45 60 90 120 180**

 Airborne Sound Insulation
RW up to 46 dB

 Wall Self-Weight
up to 85 kg/m²

 Wall Thickness
125 | 150 | 175 | 200 | 225 mm

 Wall Heights
up to 12 m



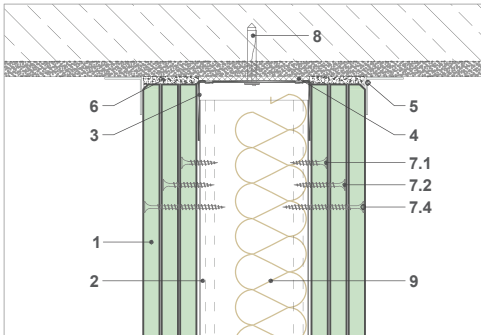
Material consumption* per 1 m²			Stud spacing [mm]		
			600	400	300
1	Technogips Pro Board Type A / H2 / DF / DFH2 / Sound Comfort Extra DF / Titan Board / Blue Board	m²	6.0	6.0	6.0
2	Premium Profile CW 50, 75, 100, 125, 150 / 0.6 mm	m	2.0	3.0	4.0
3	Premium Profile UW 50, 75, 100, 125, 150 / 0.6 mm	m	0.7	0.8	0.9
4	Acoustic foam tape @ the peripheral profiles	m	1.2	1.2	1.2
5	Joint tape** @ all last layers joints + peripheral ones	m	3.0	3.0	3.0
6	Joint filler FUGA&FINISH Light / FUGA for fire protection @ all layers	kg	2.1 / 1.8	2.1 / 1.8	2.1 / 1.8
7.1	Drywall screw 3.5 x 25 mm @ 500 mm	pcs	15.0	18.0	30.0
7.2	Drywall screw 3.5 x 35 mm / @ 500 mm / @ 12.5 mm plasterboards Drywall screw 3.5 x 45 mm / @ 500 mm / @ 15 mm plasterboards	pcs	15.0	18.0	30.0
7.4	Drywall screw 3.5 x 55 mm / @ 250 mm / @ 12.5 mm plasterboards Drywall screw 4.2 x 70 mm / @ 250 mm / @ 15 mm plasterboards	pcs	30.0	45.0	60.0
8	Nail plug @ 500 mm Ceiling anchor for fire protection @ 500 mm	pcs	1.6	1.6	1.6
9	Mineral wool (optional)	m²	1.0	1.0	1.0
	Skim coat SATEN / FUGA&FINISH Light	kg	1.7 / 1.0	1.7 / 1.0	1.7 / 1.0

* The consumption quantities are calculated for a straight wall, without openings and curves, with surface area of 10.8 m² (2.7 m in height and 4.0 m in width), without losses and wastes.

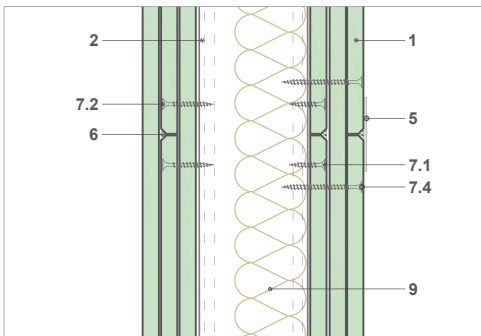
** In case of Fire Protection requirements, it is necessary to apply Joint tape on each layer. The consumption will be 9.0 m for 1 m²

2) R_w calculation value of sound reduction index of the separating partition walls according to EN ISO 140-3 and EN ISO 717-1 and profiles centred at 600 mm. The values are achieved with insulation according to EN 13162 and air flow resistance $\sigma > 5 \text{ kPa s/m}^2$.

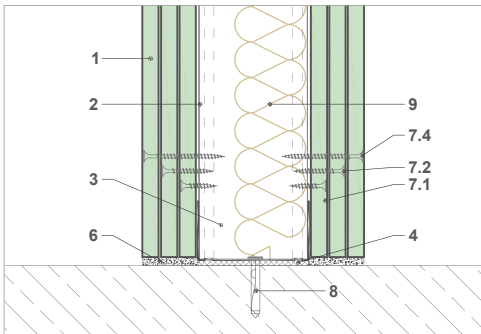
VO1 Upper connection to massive element



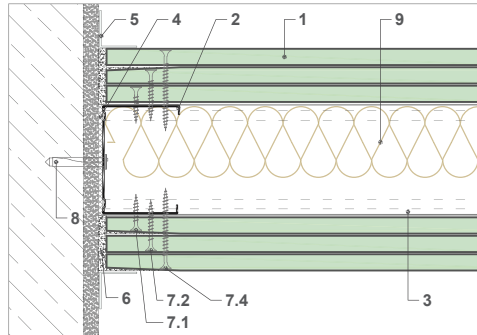
VO2 Joint



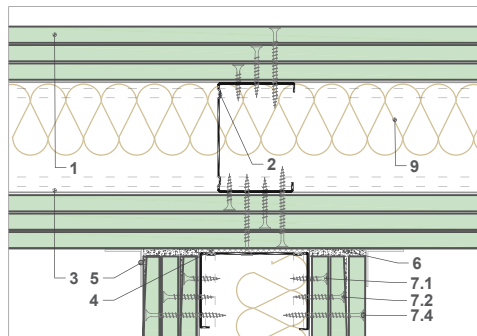
VO3.1 Lower connection to massive floor



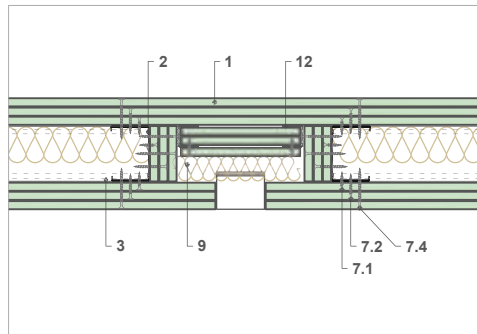
H01 Connection to massive element



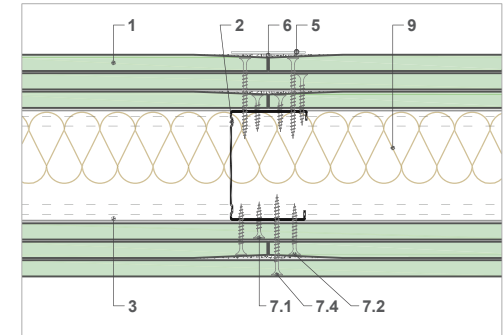
H03 T-intersection



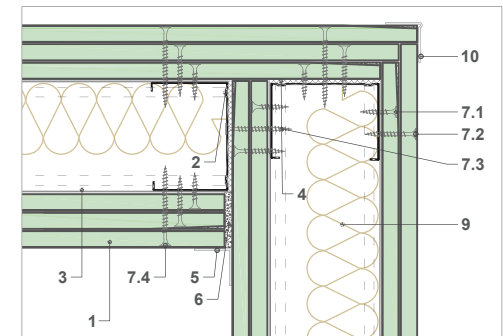
H12 Electrical outlet



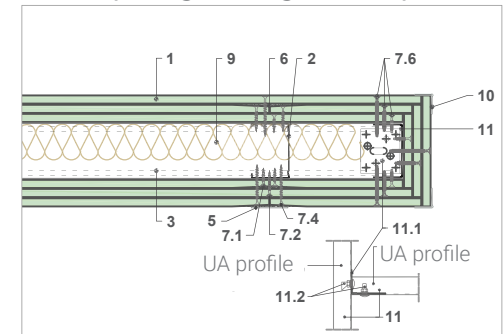
H02 Joint



H04.2 Corner intersection W1-3 with W1-2



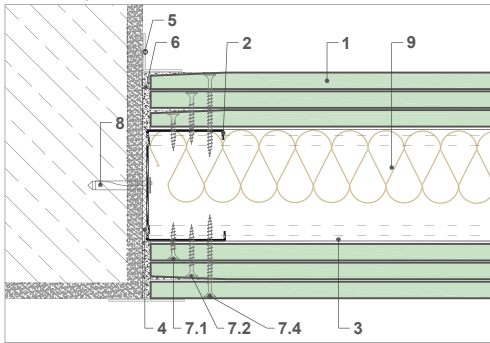
H11 Opening forming with UA profile



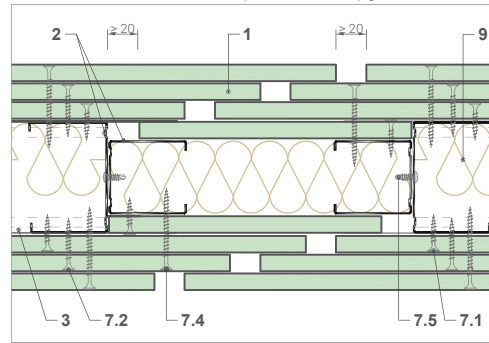
SYSTEM COMPONENTS Technogips Pro

1. Technogips Pro Board 12.5 mm	5. Joint tape	7.3. Drywall screw 3.5 x 45 mm	8. Nail plug / Ceiling anchor 6 x 40, 60, 80 mm	11.1. Angle for UA profile
2. Premium Profile CW	6. Joint filler FUGA	7.4. Drywall screw 3.5 x 55 mm	9. Mineral wool	11.2. Frame fitting screw for UA profile
3. Premium Profile UW	7.1. Drywall screw 3.5 x 25 mm	7.5. Self-drilling screw TEX 4.2 x 13 mm	10. Angle bead	12. Premium Profile UD
4. Acoustic foam tape	7.2. Drywall screw 3.5 x 35 mm	7.6. Self-drilling screw 3.5 x 25, 35 mm	11. Premium Profile UA	13. Premium Profile CD

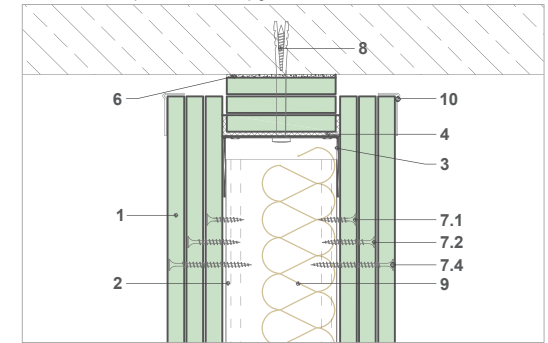
H01 Connection to massive element



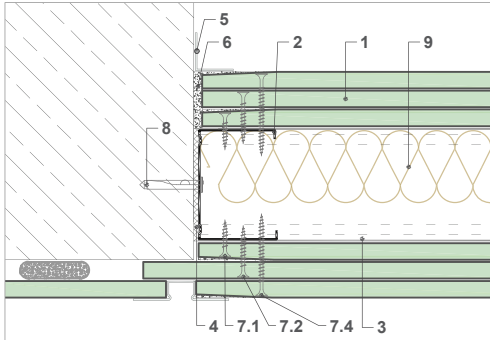
H05 Expansion gap



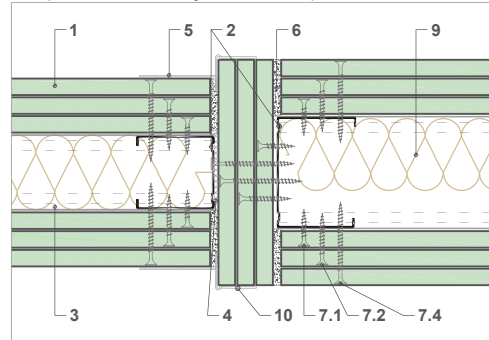
V04 Upper connection with flooring system



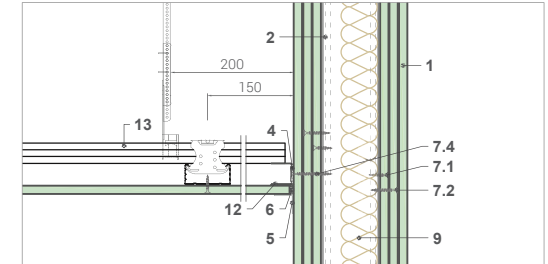
H08.1 Connection W1-3 with L0-1



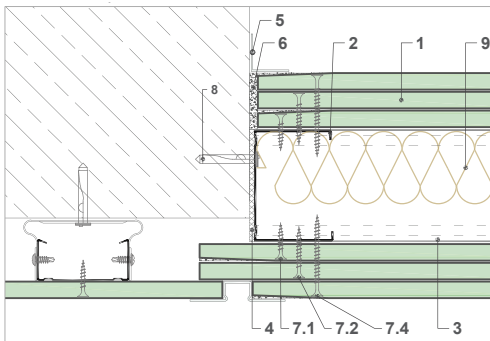
H06 Transition between walls



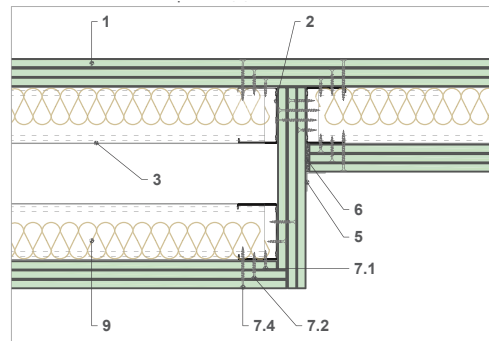
V05 Upper connection W1-3 to C1-1



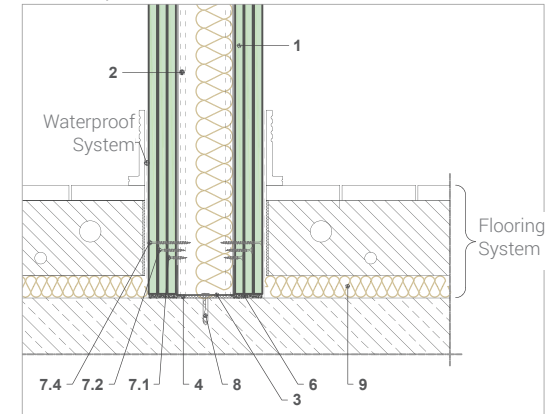
H08.2 Connection W1-3 with L1-1



H09 Connection W1-3 with W2-3B



V03.2 Lower connection to flooring system



SYSTEM COMPONENTS Technogips Pro

1. Technogips Pro Board 12.5 mm	5. Joint tape	7.3. Drywall screw 3.5 x 45 mm	8. Nail plug / Ceiling anchor 6 x 40, 60, 80 mm	11.1. Angle for UA profile
2. Premium Profile CW	6. Joint filler FUGA	7.4. Drywall screw 3.5 x 55 mm	9. Mineral wool	11.2. Frame fitting screw for UA profile
3. Premium Profile UW	7.1. Drywall screw 3.5 x 25 mm	7.5. Self-drilling screw TEX 4.2 x 13 mm	10. Angle bead	12. Premium Profile UD
4. Acoustic foam tape	7.2. Drywall screw 3.5 x 35 mm	7.6. Self-drilling screw 3.5 x 25, 35 mm	11. Premium Profile UA	13. Premium Profile CD

Detail for High Walls W1-3 - Upper connection to massive element, vertical section

The selection of the type of the upper connection and the type of UW profile depends on the height of the wall and a - the expected maximum deviation of the system.

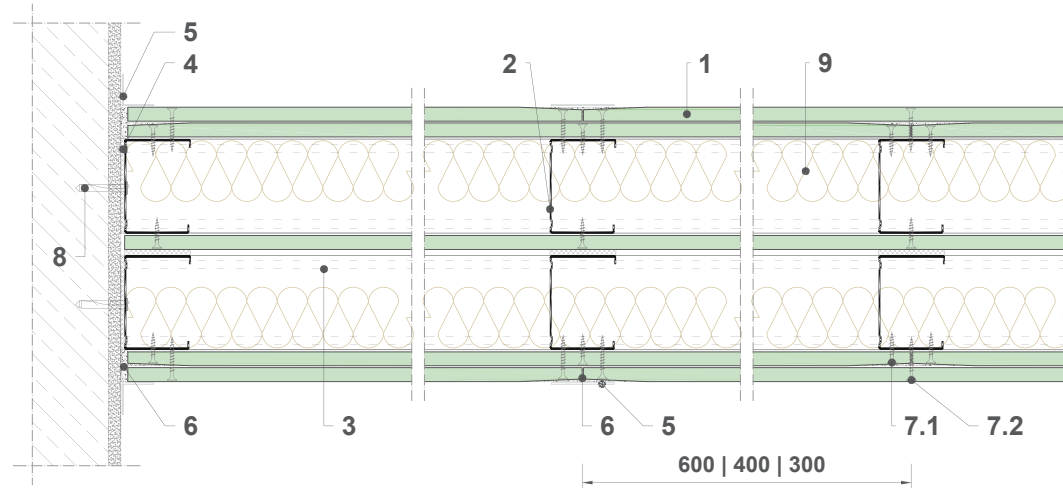
Details of upper connections below:

SYSTEM COMPONENTS Technogips Pro				
1. Board 12.5 mm				
2. Premium Profile CW				
3. Premium Profile UW				
4. Acoustic foam tape				
6. Joint filler FUGA				
7.1. Drywall screw 3.5 x 25 mm				
7.2. Drywall screw 3.5 x 35 mm				
7.4. Drywall screw 3.5 x 55 mm				
8.1. Ceiling anchor 6 x 40, 60, 80 mm				
8.2. Concrete screwbolt				
8.3. Bolt anchor				
9. Insulation strip				
Detail		V01.1	V01.2	V01.3
Height (m)		≤ 4 m	≤ 6 m	≤ 12 m
Deflection - a (mm)		$a \leq 10$ mm	$a \leq 20$ mm	$30 \leq a \leq 60$ mm
UW Profile - section		Standard size UW profile with flange $c=40$ mm	Standard size UW profile with flange $c=40$ mm	Reinforced UW profile with flange $c=120$ mm
UW Profile - thickness		0.6 mm	0.6 mm	1.0 mm

The specified maximum deflection of system (a) includes the total displacement of the floor slabs and the extension of the CW profile in the case of a fire.
With an expected deviation (a) > 70 mm, an special connection should be specified by request.

PARTITION WALLS

Technogips Pro W2-2-1



 **30** **45** **60** **90** **120** **180**

 Airborne Sound Insulation
R_w up to 66 dB

 Wall Self-Weight
up to 71 kg/m²

 Wall Thickness
165 | 215 | 265 mm

 Wall Heights
up to 6.80 m

Material consumption* per 1 m ²			Stud spacing [mm]		
			600	400	300
1	Technogips Pro Board Type A / H2 / DF / DFH2 / Sound Comfort Extra DF / Titan Board / Blue Board	m ²	5.0	5.0	5.0
2	Premium Profile CW 50, 75, 100, 125, 150 / 0.6 mm	m	4.0	6.0	8.0
3	Premium Profile UW 50, 75, 100, 125, 150 / 0.6 mm	m	1.4	1.6	1.8
4	Acoustic foam tape @ the peripheral profiles	m	2.4	2.4	2.4
5	Joint tape** @ all last layers joints + peripheral ones	m	3.0	3.0	3.0
6	Joint filler FUGA&FINISH Light / FUGA for fire protection @ all layers	kg	1.8 / 1.5	1.8 / 1.5	1.8 / 1.5
7.1	Drywall screw 3.5 x 25 mm @ 500 mm	pcs	15.0	18.0	30.0
7.2	Drywall screw 3.5 x 35 mm / @ 250 mm / @ 12.5 mm plasterboards Drywall screw 3.5 x 45 mm / @ 250 mm / @ 15 mm plasterboards	pcs	30.0	45.0	60.0
8	Nail plug @ 500 mm Ceiling anchor for fire protection @ 500 mm	pcs	3.2	3.2	3.2
9	Mineral wool (optional)	m ²	2.0	2.0	2.0
	Skim coat SATEN / FUGA&FINISH Light	kg	1.7 / 1.0	1.7 / 1.0	1.7 / 1.0

* The consumption quantities are calculated for a straight wall, without openings and curves, with surface area of 10.8 m² (2.7 m in height and 4.0 m in width), without losses and wastes.

** In case of Fire Protection requirements, it is necessary to apply Joint tape on each layer. The consumption will be 6.0 m² for 1 m²

PARTITION WALLS Technogips Pro W2-2-1

Double Metal Stud Frame – Double Layer Cladding and One Intermediate Layer

Board		Wall Weight	Wall Thickness	Profile	Insulation	Sound Insulation Rw ²⁾			Fire Protection (without insulation)														
Type	Thickness			Cavity	Thickness	Rw glass wool	Rw stone wool	Rw without insulation	EI 0 ³⁾		EI 30		EI 45		EI 60		EI 90		EI 120		EI 180		
	minimum	without insulation			minimum				Profile Spacing, mm														
	mm	kg/m²	mm	mm	mm	dB	dB	dB	600	400	600	400	600	400	600	400	600	400	600	400	600	400	
Maximum permissible heights depending on the type of lining, m ¹⁾																							
A	2x12.5 + 12.5	51	165	CW 50	2x40	58	58	49	4.50	4.75	4.00*	4.00*	4.00*	4.00*	4.00*	4.00*	4.00*	4.00*					
H2	2x12.5 + 12.5	51	165		2x40	58	58	49	4.50	4.75	4.00*	4.00*	4.00*	4.00*	4.00*	4.00*	4.00*	4.00*					
DF	2x12.5 + 12.5	58	165		2x40	61	61	52	4.50	4.75	4.00*	4.00*	4.00*	4.00*	4.00*	4.00*	4.00*	4.00*					
DFH2	2x12.5 + 12.5	58	165		2x40	61	61	52	4.50	4.75	4.00*	4.00*	4.00*	4.00*	4.00*	4.00*	4.00*	4.00*					
Sound Comfort Extra DF	2x12.5 + 12.5	66	165		2x40	63	63	54	4.50	4.75	4.00*	4.00*	4.00*	4.00*	4.00*	4.00*	4.00*	4.00*					
Titan Board DFH1IR	2x12.5 + 12.5	71	165		2x40	64	64	55	4.50	4.75	4.00*	4.00*	4.00*	4.00*	4.00*	4.00*	4.00*	4.00*					
Blue Board GMFH1IR	2x12.5 + 12.5	68	165		2x40	64	64	55	4.50	4.75	4.00*	4.00*	4.00*	4.00*	4.00*	4.00*	4.00*	4.00*					
DF	2x15 + 15	71	180		2x40	63	63	55	4.50	4.75	4.00*	4.00*	4.00*	4.00*	4.00*	4.00*	4.00*	4.00*					
DFH2	2x15 + 15	71	180		2x40	63	63	55	4.50	4.75	4.00*	4.00*	4.00*	4.00*	4.00*	4.00*	4.00*	4.00*					
A	2x12.5 + 12.5	51	215	CW 75	2x60	61	61	53	5.80	6.00	4.00*	4.00*	4.00*	4.00*	4.00*	4.00*	4.00*	4.00*					
H2	2x12.5 + 12.5	51	215		2x60	61	61	53	5.80	6.00	4.00*	4.00*	4.00*	4.00*	4.00*	4.00*	4.00*	4.00*					
DF	2x12.5 + 12.5	58	215		2x60	63	63	55	5.80	6.00	4.00*	4.00*	4.00*	4.00*	4.00*	4.00*	4.00*	4.00*					
DFH2	2x12.5 + 12.5	58	215		2x60	63	63	55	5.80	6.00	4.00*	4.00*	4.00*	4.00*	4.00*	4.00*	4.00*	4.00*					
Sound Comfort Extra DF	2x12.5 + 12.5	66	215		2x60	65	65	58	5.80	6.00	4.00*	4.00*	4.00*	4.00*	4.00*	4.00*	4.00*	4.00*					
Titan Board DFH1IR	2x12.5 + 12.5	71	215		2x60	65	65	58	5.80	6.00	4.00*	4.00*	4.00*	4.00*	4.00*	4.00*	4.00*	4.00*					
Blue Board GMFH1IR	2x12.5 + 12.5	68	215		2x60	65	65	58	5.80	6.00	4.00*	4.00*	4.00*	4.00*	4.00*	4.00*	4.00*	4.00*					
DF	2x15 + 15	71	230		2x60	64	64	58	5.80	6.00	4.00*	4.00*	4.00*	4.00*	4.00*	4.00*	4.00*	4.00*					
DFH2	2x15 + 15	71	230		2x60	64	64	58	5.80	6.00	4.00*	4.00*	4.00*	4.00*	4.00*	4.00*	4.00*	4.00*					
A	2x12.5 + 12.5	51	265	CW 100	2x80	61	61	54	6.50	6.80	4.00*	4.00*	4.00*	4.00*	4.00*	4.00*	4.00*	4.00*					
H2	2x12.5 + 12.5	51	265		2x80	61	61	54	6.50	6.80	4.00*	4.00*	4.00*	4.00*	4.00*	4.00*	4.00*	4.00*					
DF	2x12.5 + 12.5	58	265		2x80	63	63	57	6.50	6.80	4.00*	4.00*	4.00*	4.00*	4.00*	4.00*	4.00*	4.00*					
DFH2	2x12.5 + 12.5	58	265		2x80	63	63	57	6.50	6.80	4.00*	4.00*	4.00*	4.00*	4.00*	4.00*	4.00*	4.00*					
Sound Comfort Extra DF	2x12.5 + 12.5	66	265		2x80	65	65	59	6.50	6.80	4.00*	4.00*	4.00*	4.00*	4.00*	4.00*	4.00*	4.00*					
Titan Board DFH1IR	2x12.5 + 12.5	71	265		2x80	66	66	60	6.50	6.80	4.00*	4.00*	4.00*	4.00*	4.00*	4.00*	4.00*	4.00*					
Blue Board GMFH1IR	2x12.5 + 12.5	68	265		2x80	66	66	61	6.50	6.80	4.00*	4.00*	4.00*	4.00*	4.00*	4.00*	4.00*	4.00*					
DF	2x15 + 15	71	280		2x80	64	64	60	6.50	6.80	4.00*	4.00*	4.00*	4.00*	4.00*	4.00*	4.00*	4.00*					
DFH2	2x15 + 15	71	280		2x80	64	64	60	6.50	6.80	4.00*	4.00*	4.00*	4.00*	4.00*	4.00*	4.00*	4.00*					

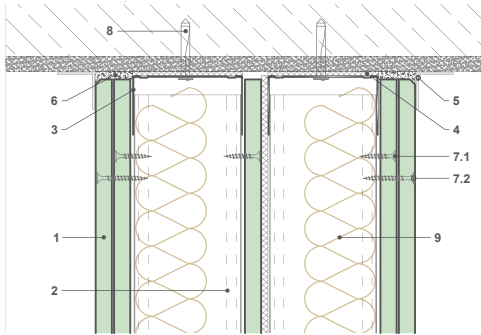
* Insulation needed to achieve the given permissible heights - thickness min 50 mm and density min 40 kg/m³, according to EN 13162

1) Permissible heights according to DIN 18 183 and additional cold static calculations.

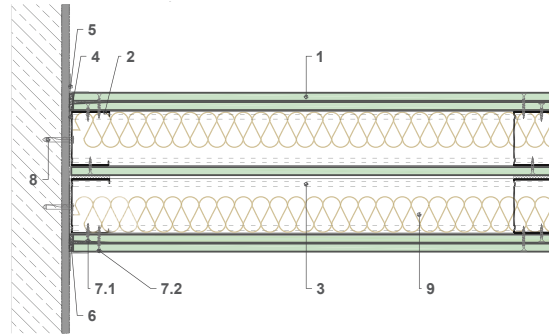
2) Rw calculation value of sound reduction index of the separating partition walls according to EN ISO 140-3 and EN ISO 717-1 and profiles centred at 600 mm.

The values are achieved with insulation according to EN 13162 and air flow resistance $r > 5 \text{ kPa s/m}^2$.

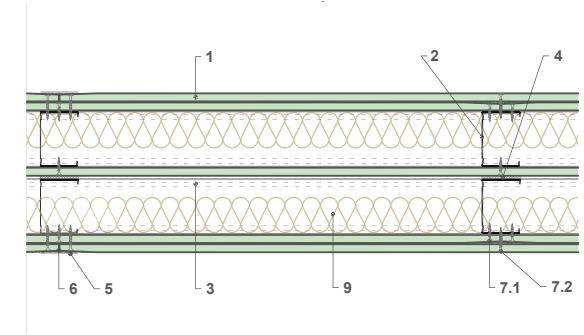
V01 Upper connection to massive element



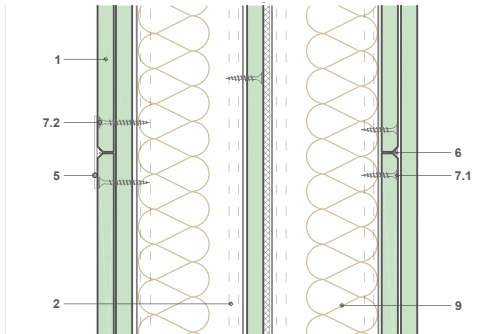
H01 Connection to massive element



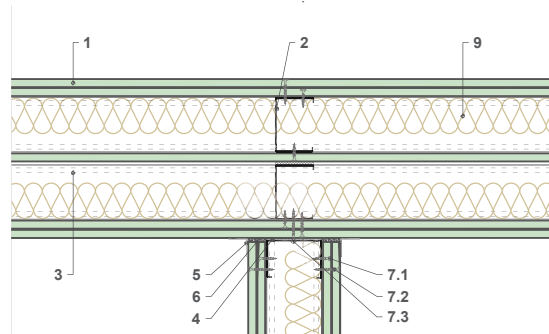
H02 Joint



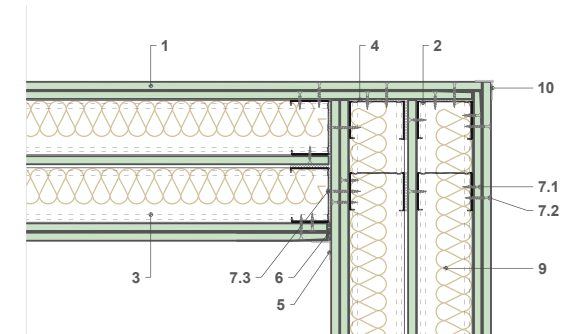
V02 Joint



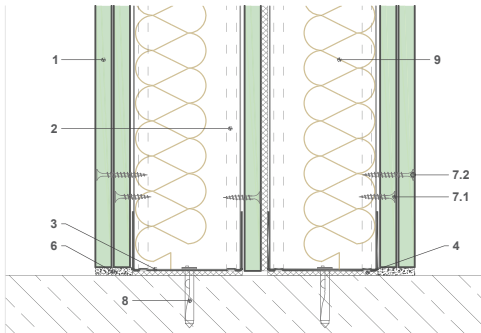
H03 T-Intersection



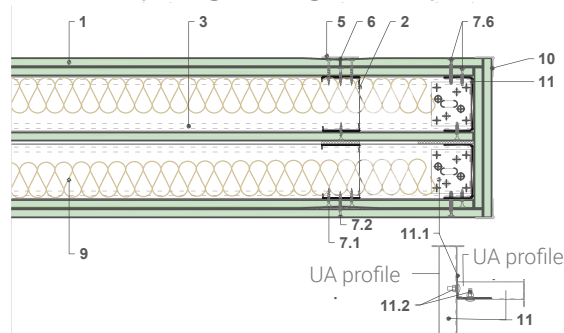
H04.2 Corner intersection W2-2-1 with W2-2-1



V03.1 Lower connection to massive floor



H11 Opening forming with UA profile



SYSTEM COMPONENTS Technogips Pro

1. Technogips Pro Board 12.5 mm	5. Joint tape	7.3. Drywall screw 3.5 x 45 mm	8. Nail plug / Ceiling anchor 6 x 40, 60, 80 mm	11.1. Angle for UA profile
2. Premium Profile CW	6. Joint filler FUGA	7.4. Drywall screw 3.5 x 55 mm	9. Mineral wool	11.2. Frame fitting screw for UA profile
3. Premium Profile UW	7.1. Drywall screw 3.5 x 25 mm	7.5. Self-drilling screw TEX 4.2 x 13 mm	10. Angle bead	12. Premium Profile UD
4. Acoustic foam tape	7.2. Drywall screw 3.5 x 35 mm	7.6. Self-drilling screw 3.5 x 25, 35 mm	11. Premium Profile UA	13. Premium Profile CD

Detail for High Walls W2-2-1 - Upper connection to massive element, vertical section

The selection of the type of the upper connection and the type of UW profile depends on the height of the wall and **a** - the expected maximum deviation of the system.

Details of upper connections below:

SYSTEM COMPONENTS Technogips Pro			
1. Board 12.5 mm			
2. Premium Profile CW			
3. Premium Profile UW			
4. Acoustic foam tape			
6. Joint filler FUGA			
7.1. Drywall screw 3.5 x 25 mm			
7.2. Drywall screw 3.5 x 35 mm			
7.4. Drywall screw 3.5 x 55 mm			
8.1. Ceiling anchor 6 x 40, 60, 80 mm			
8.2. Concrete screwbolt			
8.3. Bolt anchor			
9. Insulation strip			

Detail	V01.1	V01.2	V01.3
Height (m)	≤ 4 m	≤ 6 m	≤ 12 m
Deflection - a (mm)	a ≤ 10 mm	a ≤ 20 mm	30 ≤ a ≤ 60 mm
UW Profile - section	Standard size UW profile with flange c=40 mm	Standard size UW profile with flange c=40 mm	Reinforced UW profile with flange c=120 mm
UW Profile - thickness	0.6 mm	0.6 mm	1.0 mm

The specified maximum deflection of system (a) includes the total displacement of the floor slabs and the extension of the CW profile in the case of a fire.
With an expected deviation (a) > 70 mm, an special connection should be specified by request.

PARTITION WALLS

Technogips Pro W2-2A



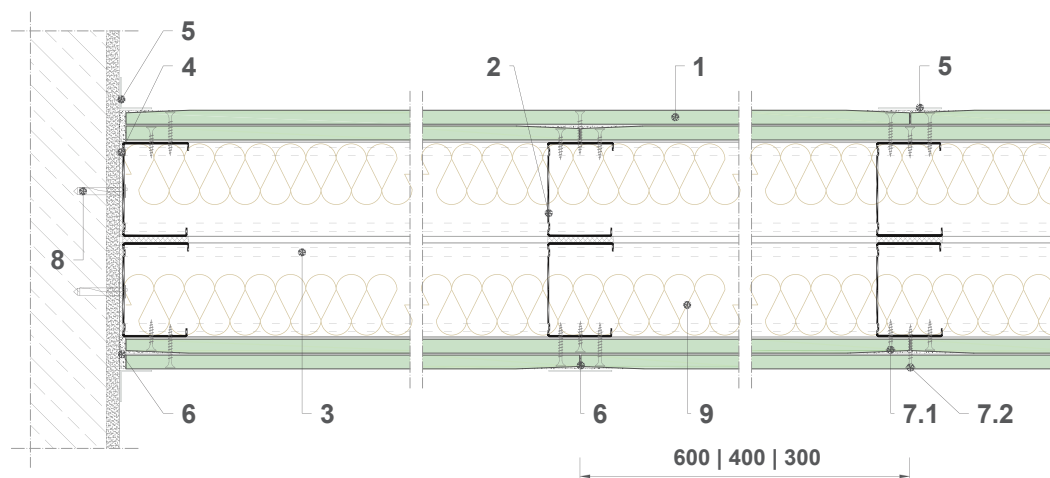
 **30 45 60 90 120 180**

 Airborne Sound Insulation
R_w up to 72 dB

 Wall Self-Weight
up to 57 kg/m²

 Wall Thickness
155 | 205 | 255 mm

 Wall Heights
up to 7.20 m



Material consumption* per 1 m²			Stud spacing [mm]		
			600	400	300
1	Technogips Pro Board Type A / H2 / DF / DFH2 / Sound Comfort Extra DF / Titan Board / Blue Board	m²	4.0	4.0	4.0
2	Premium Profile CW 50, 75, 100, 125, 150 / 0.6 mm	m	4.0	6.0	8.0
3	Premium Profile UW 50, 75, 100, 125, 150 / 0.6 mm	m	1.4	1.6	1.8
4	Acoustic foam tape @ the peripheral profiles	m	2.4	2.4	2.4
5	Joint tape** @ all last layers joints + peripheral ones	m	3.0	3.0	3.0
6	Joint filler FUGA&FINISH Light / FUGA for fire protection @ all layers	kg	1.4 / 1.2	1.4 / 1.2	1.4 / 1.2
7.1	Drywall screw 3.5 x 25 mm @ 500 mm	pcs	15.0	18.0	30.0
7.2	Drywall screw 3.5 x 35 mm / @ 250 mm / @ 12.5 mm plasterboards Drywall screw 3.5 x 45 mm / @ 250 mm / @ 15 mm plasterboards	pcs	30.0	45.0	60.0
8	Nail plug @ 500 mm Ceiling anchor for fire protection @ 500 mm	pcs	3.2	3.2	3.2
9	Mineral wool (optional)	m²	2.0	2.0	2.0
	Skim coat SATEN / FUGA&FINISH Light	kg	1.7 / 1.0	1.7 / 1.0	1.7 / 1.0

* The consumption quantities are calculated for a straight wall, without openings and curves, with surface area of 10.8 m² (2.7 m in height and 4.0 m in width), without losses and wastes.

** In case of Fire Protection requirements, it is necessary to apply Joint tape on each layer. The consumption will be 6.0 m for 1 m²

PARTITION WALLS Technogips Pro W2-2A

Double Metal Stud Frame – Double Layer Cladding

Board		Wall Weight	Wall Thickness	Profile	Insulation	Sound Insulation R_w ²⁾			Fire Protection (without insulation)																						
Type	Thickness			Cavity	Thickness	R_w glass wool	R_w stone wool	R_w without insulation	EI 0 ³⁾			EI 30			EI 45			EI 60			EI 90			EI 120			EI 180				
	minimum	without insulation			minimum				Profile Spacing, mm																						
	mm	kg/m²	mm	mm	mm	dB	dB	dB	600	400	300	600	400	300	600	400	300	600	400	300	600	400	300	600	400	300	600	400	300		
Maximum permissible heights depending on the type of lining, m ¹⁾																															
A	2x12.5	42	155	2 x CW 50	2x40	62	63	52	4.50	4.75	5.40																				
H2	2x12.5	42	155		2x40	62	63	52	4.50	4.75	5.40																				
DF	2x12.5	47	155		2x40	63	64	54	4.50	4.75	5.40																				
DFH2	2x12.5	47	155		2x40	63	64	54	4.50	4.75	5.40	4.50	4.75	5.40	4.50	4.75	5.40	4.50	4.75	5.40	4.50	4.75	5.40	4.00	4.00	4.00					
Sound Comfort Extra DF	2x12.5	53	155		2x40	64	65	57	4.50	4.75	5.40																				
Titan Board DFH1IR	2x12.5	57	155		2x40	65	66	59	4.50	4.75	5.40	4.50	4.75	5.40	4.50	4.75	5.40	4.50	4.75	5.40	4.50	4.75	5.40	4.00	4.00	4.00					
Blue Board GMFH1IR	2x12.5	55	155		2x40	64	65	58	4.50	4.75	5.40	4.50	4.75	5.40	4.50	4.75	5.40	4.50	4.75	5.40	4.50	4.75	5.40	4.00	4.00	4.00					
DF	2x15	57	165		2x40	63	64	57	4.50	4.75	5.40																				
DFH2	2x15	57	165		2x40	63	64	57	4.50	4.75	5.40	4.50	4.75	5.40	4.50	4.75	5.40	4.50	4.75	5.40	4.50	4.75	5.40	4.00	4.00	4.00					
A	2x12.5	42	205	2 x CW 75	2x60	63	64	54	5.80	6.00	6.50																				
H2	2x12.5	42	205		2x60	63	64	54	5.80	6.00	6.50																				
DF	2x12.5	47	205		2x60	64	65	56	5.80	6.00	6.50																				
DFH2	2x12.5	47	205		2x60	64	65	56	5.80	6.00	6.50	5.80	6.00	6.50	5.80	6.00	6.50	5.80	6.00	6.50	5.80	6.00	6.50	4.00	4.00	4.00					
Sound Comfort Extra DF	2x12.5	53	205		2x60	65	66	59	5.80	6.00	6.50																				
Titan Board DFH1IR	2x12.5	57	205		2x60	67	68	60	5.80	6.00	6.50	5.80	6.00	6.50	5.80	6.00	6.50	5.80	6.00	6.50	5.80	6.00	6.50	4.00	4.00	4.00					
Blue Board GMFH1IR	2x12.5	55	205		2x60	65	66	59	5.80	6.00	6.50	5.80	6.00	6.50	5.80	6.00	6.50	5.80	6.00	6.50	5.80	6.00	6.50	4.00	4.00	4.00					
DF	2x15	57	215		2x60	64	65	59	5.80	6.00	6.50																				
DFH2	2x15	57	215		2x60	64	65	59	5.80	6.00	6.50	5.80	6.00	6.50	5.80	6.00	6.50	5.80	6.00	6.50	5.80	6.00	6.50	4.00	4.00	4.00					
A	2x12.5	42	255	2 x CW 100	2x80	64	65	55	6.50	6.80	7.20																				
H2	2x12.5	42	255		2x80	64	65	55	6.50	6.80	7.20																				
DF	2x12.5	47	255		2x80	68	69	57	6.50	6.80	7.20																				
DFH2	2x12.5	47	255		2x80	68	69	57	6.50	6.80	7.20	6.50	6.80	7.20	6.50	6.80	7.20	6.50	6.80	7.20	6.50	6.80	7.20	4.00	4.00	4.00					
Sound Comfort Extra DF	2x12.5	53	255		2x80	69	71	59	6.50	6.80	7.20																				
Titan Board DFH1IR	2x12.5	57	255		2x80	71	72	61	6.50	6.80	7.20	6.50	6.80	7.20	6.50	6.80	7.20	6.50	6.80	7.20	6.50	6.80	7.20	4.00	4.00	4.00					
Blue Board GMFH1IR	2x12.5	55	255		2x80	66	67	60	6.50	6.80	7.20	6.50	6.80	7.20	6.50	6.80	7.20	6.50	6.80	7.20	6.50	6.80	7.20	4.00	4.00	4.00					
DF	2x15	57	265		2x80	68	69	59	6.50	6.80	7.20																				
DFH2	2x15	57	265		2x80	68	69	59	6.50	6.80	7.20	6.50	6.80	7.20	6.50	6.80	7.20	6.50	6.80	7.20	6.50	6.80	7.20	4.00	4.00	4.00					

1) Permissible heights according to DIN 18 183 and additional cold static calculations.

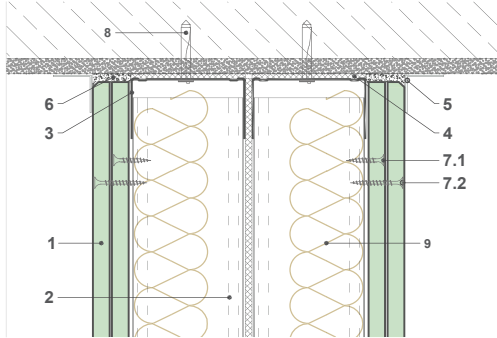
2) R_w calculation value of sound reduction index of the separating partition walls according to EN ISO 140-3 and EN ISO 717-1 and profiles centred at 600 mm. The values are achieved with insulation according to EN 13162 and air flow resistance $r > 5 \text{ kPa s/m}^2$.

3) Permissible heights without fire protection.

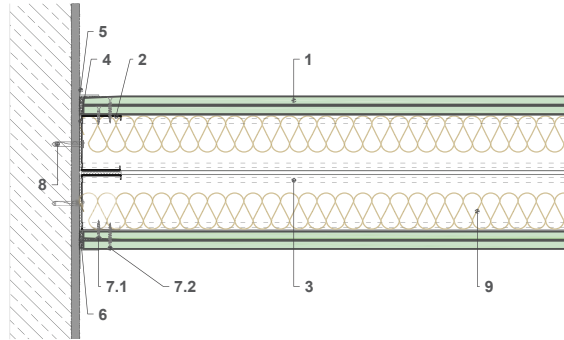
PARTITION WALLS **Technogips Pro W2-2A**
Double Metal Stud Frame – Double Layer Cladding



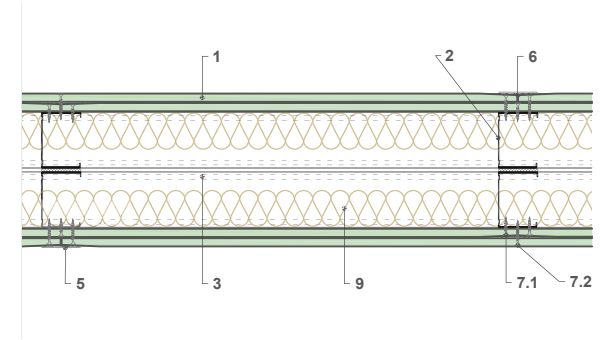
V01 Upper connection to massive element



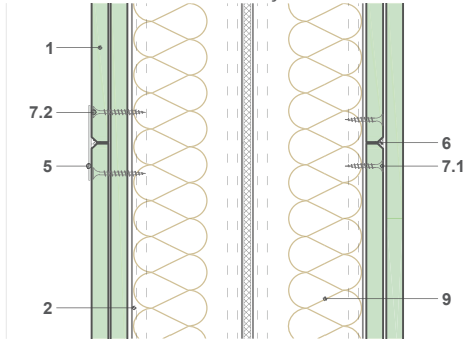
H01 Connection to massive element



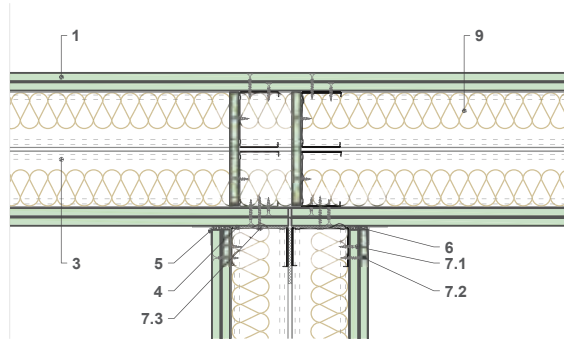
H02 Joint



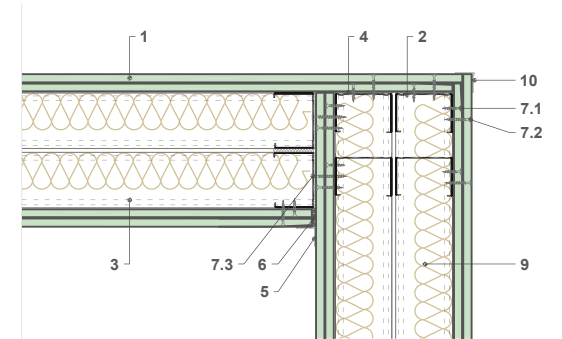
V02 Joint



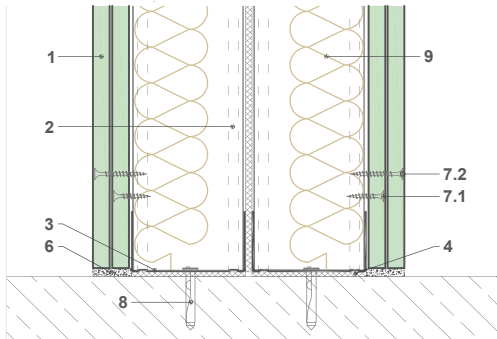
H03 T-intersection



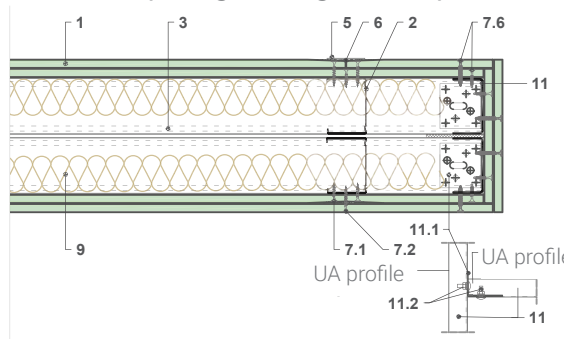
H04 Corner intersection W2-2A with W2-2A



V03 Lower connection to massive floor



H11 Opening forming with UA profile



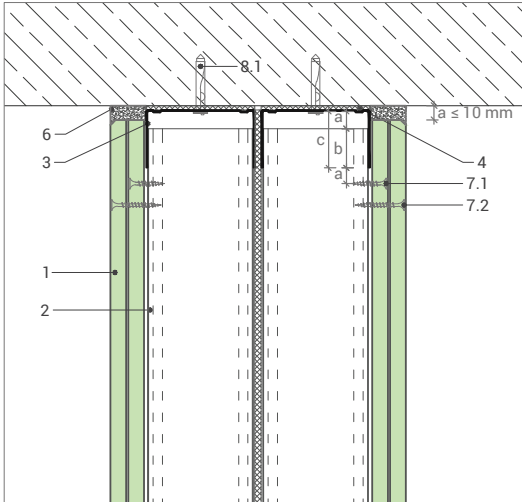
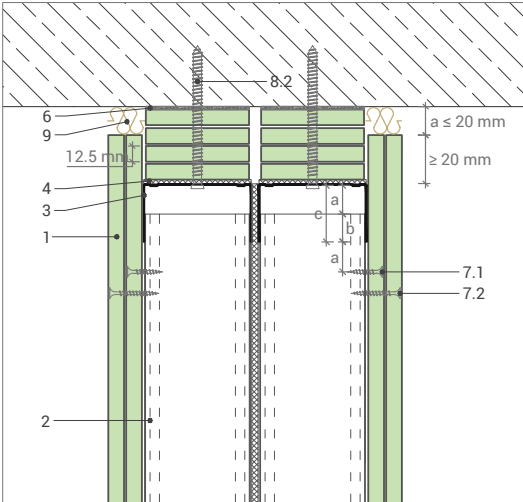
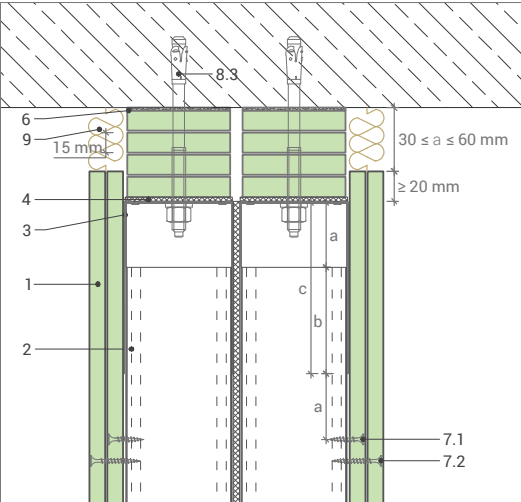
SYSTEM COMPONENTS Technogips Pro

1. Technogips Pro Board 12.5 mm	5. Joint tape	7.3. Drywall screw 3.5 x 45 mm	8. Nail plug / Ceiling anchor 6 x 40, 60, 80 mm	11.1. Angle for UA profile
2. Premium Profile CW	6. Joint filler FUGA	7.4. Drywall screw 3.5 x 55 mm	9. Mineral wool	11.2. Frame fitting screw for UA profile
3. Premium Profile UW	7.1. Drywall screw 3.5 x 25 mm	7.5. Self-drilling screw TEX 4.2 x 13 mm	10. Angle bead	12. Premium Profile UD
4. Acoustic foam tape	7.2. Drywall screw 3.5 x 35 mm	7.6. Self-drilling screw 3.5 x 25, 35 mm	11. Premium Profile UA	13. Premium Profile CD

Detail for High Walls W2-2A - Upper connection to massive element, vertical section

The selection of the type of the upper connection and the type of UW profile depends on the height of the wall and **a** - the expected maximum deviation of the system.

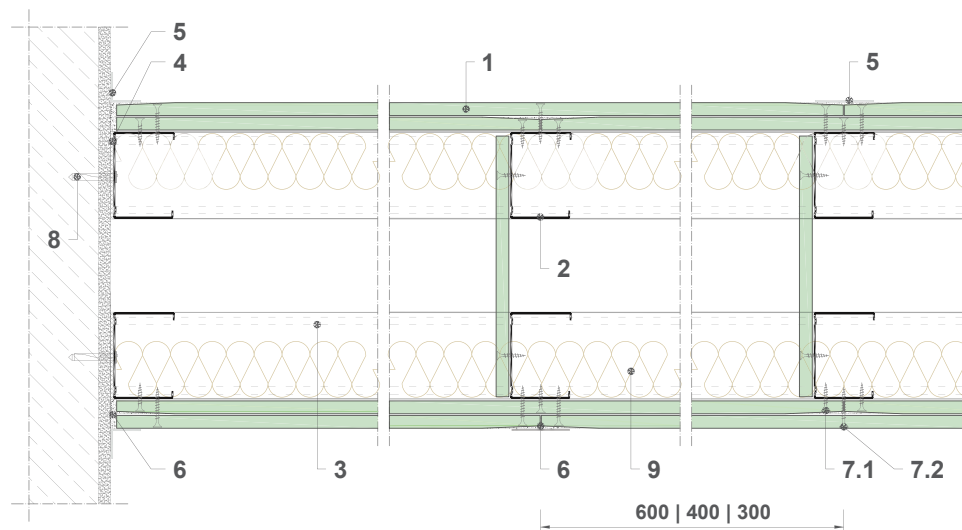
Details of upper connections below:

SYSTEM COMPONENTS Technogips Pro	V01.1 Height ≤ 4 m	V01.2 Height ≤ 6 m	V01.3 Height ≤ 12 m
1. Board 12.5 mm 2. Premium Profile CW 3. Premium Profile UW 4. Acoustic foam tape 6. Joint filler FUGA 7.1. Drywall screw 3.5 x 25 mm 7.2. Drywall screw 3.5 x 35 mm 7.4. Drywall screw 3.5 x 55 mm 8.1. Ceiling anchor 6 x 40, 60, 80 mm 8.2. Concrete screwbolt 8.3. Bolt anchor 9. Insulation strip			
Detail	V01.1	V01.2	V01.3
Height (m)	≤ 4 m	≤ 6 m	≤ 12 m
Deflection - a (mm)	$a \leq 10$ mm	$a \leq 20$ mm	$30 \leq a \leq 60$ mm
UW Profile - section	Standard size UW profile with flange c=40 mm	Standard size UW profile with flange c=40 mm	Reinforced UW profile with flange c=120 mm
UW Profile - thickness	0.6 mm	0.6 mm	1.0 mm

The specified maximum deflection of system (**a**) includes the total displacement of the floor slabs and the extension of the CW profile in the case of a fire.
With an expected deviation (**a**) > 70 mm, a special connection should be specified by request.

PARTITION WALLS

Technogips Pro W2-2B



 **30 45 60 90 120 180**

 Airborne Sound Insulation
RW up to 63 dB

 Wall Self-Weight
up to 64 kg/m²

 Wall Thickness
155 ÷ 800 mm

 Wall Heights
up to 7.20 m

Material consumption* per 1 m²			Stud spacing [mm]		
			600	400	300
1	Technogips Pro Board Type A / H2 / DF / DFH2 / Sound Comfort Extra DF / Titan Board / Blue Board	m²	4.2	4.3	4.4
2	Premium Profile CW 50, 75, 100, 125, 150 / 0.6 mm	m	4.0	6.0	8.0
3	Premium Profile UW 50, 75, 100, 125, 150 / 0.6 mm	m	1.4	1.6	1.8
4	Acoustic foam tape @ the peripheral profiles	m	2.4	2.4	2.4
5	Joint tape** @ all last layers joints + peripheral ones	m	3.0	3.0	3.0
6	Joint filler FUGA&FINISH Light / FUGA for fire protection @ all layers	kg	1.4 / 1.2	1.4 / 1.2	1.4 / 1.2
7.1	Drywall screw 3.5 x 25 mm @ 500 mm	pcs	15.0	18.0	30.0
7.2	Drywall screw 3.5 x 35 mm / @ 250 mm / @ 12.5 mm plasterboards Drywall screw 3.5 x 45 mm / @ 250 mm / @ 15 mm plasterboards	pcs	30.0	45.0	60.0
8	Nail plug @ 500 mm Ceiling anchor for fire protection @ 500 mm	pcs	3.2	3.2	3.2
9	Mineral wool (optional)	m²	2.0	2.0	2.0
	Skim coat SATEN / FUGA&FINISH Light	kg	1.7 / 1.0	1.7 / 1.0	1.7 / 1.0

* The consumption quantities are calculated for a straight wall, without openings and curves, with surface area of 10.8 m² (2.7 m in height and 4.0 m in width), without losses and wastes.

** In case of Fire Protection requirements, it is necessary to apply Joint tape on each layer. The consumption will be 6.0 m for 1 m²

PARTITION WALLS Technogips Pro W2-2B

Double Metal Stud Frame – Double Layer Cladding (Installation Wall)

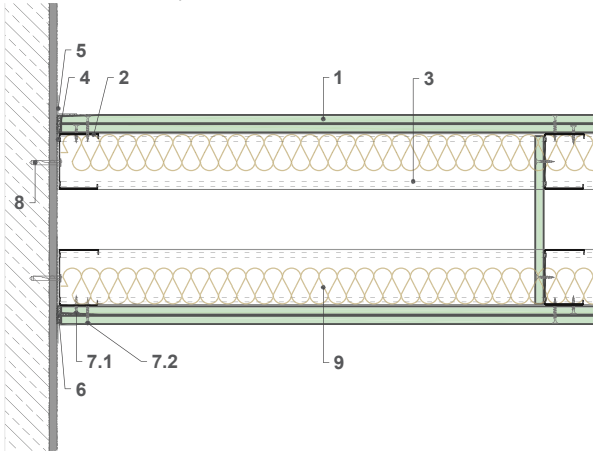
Board		Wall Weight	Wall Thickness	Profile	Insulation	Sound Insulation Rw ²⁾			Fire Protection (without insulation)																							
Type	Thickness			Cavity	Thickness	Rw glass wool	Rw stone wool	Rw without insulation	EI 0 ³⁾			EI 30			EI 45			EI 60			EI 90			EI 120			EI 180					
	minimum	without insulation			minimum				Profile Spacing, mm																							
	mm	kg/m²			mm				mm	dB	dB	dB	600	400	300	600	400	300	600	400	300	600	400	300	600	400	300	600	400	300	600	400
Maximum permissible heights depending on the type of lining, m ¹⁾																																
A	2x12.5	46	155 ÷ 600	2 x CW 50	2x40	54	55	50	4.50	4.75	5.40																					
H2	2x12.5	46	155 ÷ 600		2x40	54	55	50	4.50	4.75	5.40																					
DF	2x12.5	53	155 ÷ 600		2x40	55	56	51	4.50	4.75	5.40																					
DFH2	2x12.5	53	155 ÷ 600		2x40	55	56	51	4.50	4.75	5.40	4.50	4.75	5.40	4.50	4.75	5.40	4.50	4.75	5.40	4.50	4.75	5.40	4.00	4.00	4.00						
Sound Comfort Extra DF	2x12.5	60	155 ÷ 600		2x40	58	59	54	4.50	4.75	5.40																					
Titan Board DFH1IR	2x12.5	64	155 ÷ 600		2x40	60	61	56	4.50	4.75	5.40	4.50	4.75	5.40	4.50	4.75	5.40	4.50	4.75	5.40	4.50	4.75	5.40	4.00	4.00	4.00						
Blue Board GMFH1IR	2x12.5	62	155 ÷ 600		2x40	59	60	55	4.50	4.75	5.40	4.50	4.75	5.40	4.50	4.75	5.40	4.50	4.75	5.40	4.50	4.75	5.40	4.00	4.00	4.00						
DF	2x15	64	165 ÷ 600		2x40	58	59	54	4.50	4.75	5.40																					
DFH2	2x15	64	165 ÷ 600		2x40	58	59	54	4.50	4.75	5.40	4.50	4.75	5.40	4.50	4.75	5.40	4.50	4.75	5.40	4.50	4.75	5.40	4.00	4.00	4.00						
A	2x12.5	42	205 ÷ 600	2 x CW 75	2x60	54	55	50	5.80	6.00	6.50																					
H2	2x12.5	42	205 ÷ 600		2x60	54	55	50	5.80	6.00	6.50																					
DF	2x12.5	47	205 ÷ 600		2x60	56	57	52	5.80	6.00	6.50																					
DFH2	2x12.5	47	205 ÷ 600		2x60	56	57	52	5.80	6.00	6.50	5.80	6.00	6.50	5.80	6.00	6.50	5.80	6.00	6.50	5.80	6.00	6.50	4.00	4.00	4.00						
Sound Comfort Extra DF	2x12.5	53	205 ÷ 600		2x60	58	59	54	5.80	6.00	6.50																					
Titan Board DFH1IR	2x12.5	57	205 ÷ 600		2x60	60	61	56	5.80	6.00	6.50	5.80	6.00	6.50	5.80	6.00	6.50	5.80	6.00	6.50	5.80	6.00	6.50	4.00	4.00	4.00						
Blue Board GMFH1IR	2x12.5	55	205 ÷ 600		2x60	59	60	55	5.80	6.00	6.50	5.80	6.00	6.50	5.80	6.00	6.50	5.80	6.00	6.50	5.80	6.00	6.50	4.00	4.00	4.00						
DF	2x15	57	215 ÷ 600		2x60	58	59	54	5.80	6.00	6.50																					
DFH2	2x15	57	215 ÷ 600		2x60	58	59	54	5.80	6.00	6.50	5.80	6.00	6.50	5.80	6.00	6.50	5.80	6.00	6.50	5.80	6.00	6.50	4.00	4.00	4.00						
A	2x12.5	42	255 ÷ 800	2 x CW 100	2x80	56	57	52	6.50	6.80	7.20																					
H2	2x12.5	42	255 ÷ 800		2x80	56	57	52	6.50	6.80	7.20																					
DF	2x12.5	47	350 ÷ 800		2x80	58	59	54	6.50	6.80	7.20																					
DFH2	2x12.5	47	350 ÷ 800		2x80	58	59	54	6.50	6.80	7.20	6.50	6.80	7.20	6.50	6.80	7.20	6.50	6.80	7.20	6.50	6.80	7.20	4.00	4.00	4.00						
Sound Comfort Extra DF	2x12.5	53	350 ÷ 800		2x80	60	61	56	6.50	6.80	7.20																					
Titan Board DFH1IR	2x12.5	57	255 ÷ 800		2x80	62	63	58	6.50	6.80	7.20	6.50	6.80	7.20	6.50	6.80	7.20	6.50	6.80	7.20	6.50	6.80	7.20	4.00	4.00	4.00						
Blue Board GMFH1IR	2x12.5	55	255 ÷ 800		2x80	61	62	57	6.50	6.80	7.20	6.50	6.80	7.20	6.50	6.80	7.20	6.50	6.80	7.20	6.50	6.80	7.20	4.00	4.00	4.00						
DF	2x15	57	265 ÷ 800		2x80	60	61	56	6.50	6.80	7.20																					
DFH2	2x15	57	265 ÷ 800		2x80	60	61	56	6.50	6.80	7.20	6.50	6.80	7.20	6.50	6.80	7.20	6.50	6.80	7.20	6.50	6.80	7.20	4.00	4.00	4.00						

1) Permissible heights according to DIN 18 183 and additional cold static calculations.

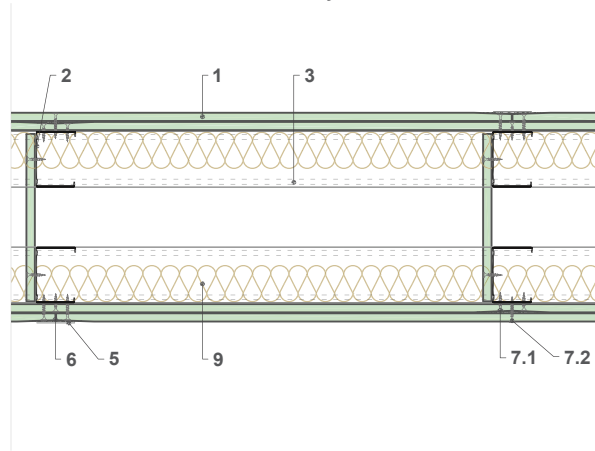
2) Rw calculation value of sound reduction index of the separating partition walls according to EN ISO 140-3 and EN ISO 717-1 and profiles centred at 600 mm. The values are achieved with insulation according to EN 13162 and air flow resistance $r > 5 \text{ kPa s/m}^2$.

3) Permissible heights without fire protection.

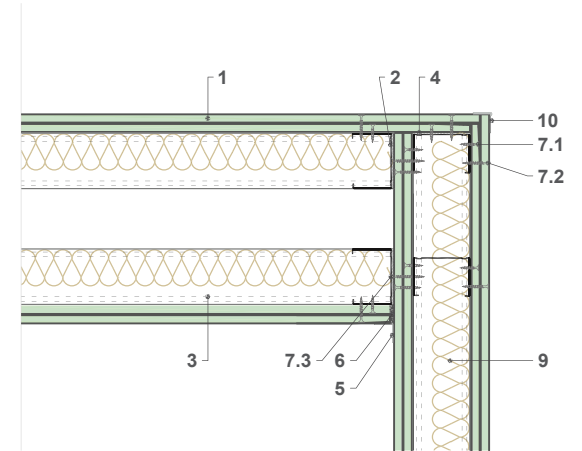
H01 Connection to massive element



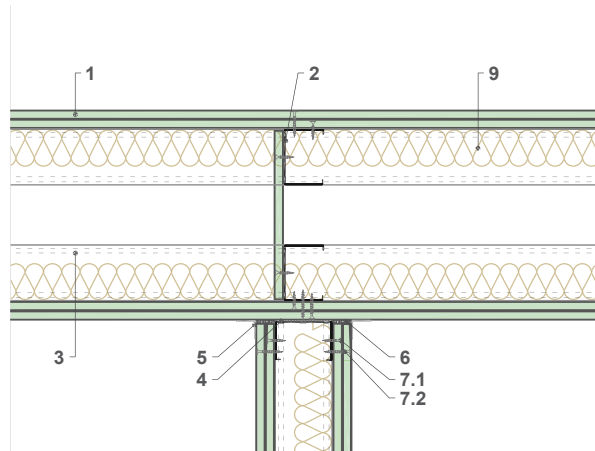
H02 Joint



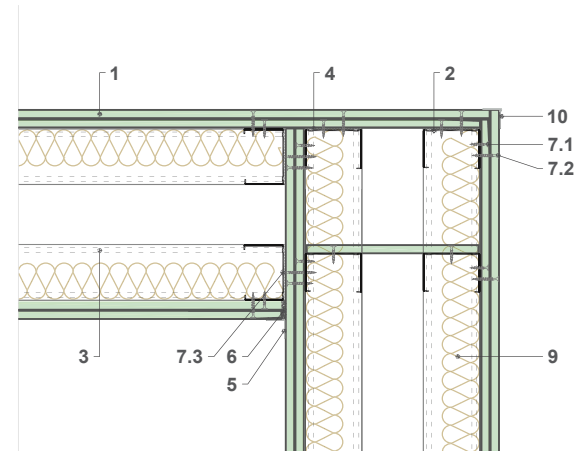
H04.2 Corner intersection W2-2B with W1-2



H03 T-intersection W2-2B with W1-2



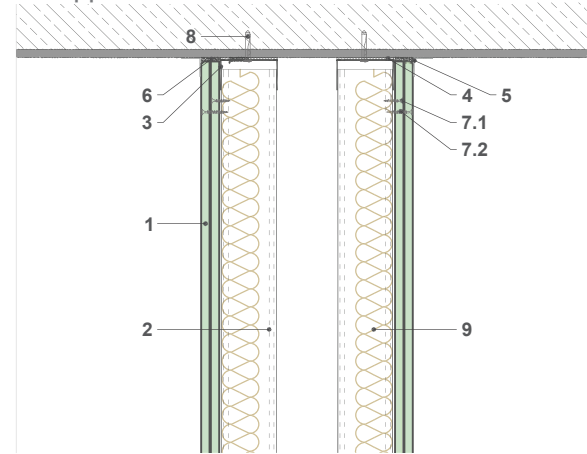
H04.1 Corner intersection W2-2B with W2-2B



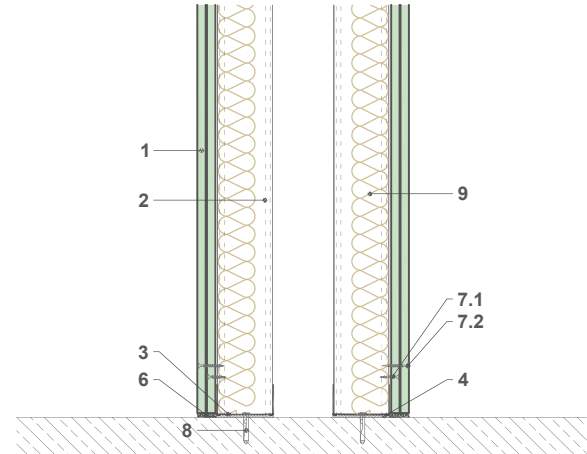
SYSTEM COMPONENTS Technogips Pro

1. Technogips Pro Board 12.5 mm	5. Joint tape	7.3. Drywall screw 3.5 x 45 mm	8. Nail plug / Ceiling anchor 6 x 40, 60, 80 mm	11.1. Angle for UA profile
2. Premium Profile CW	6. Joint filler FUGA	7.4. Drywall screw 3.5 x 55 mm	9. Mineral wool	11.2. Frame fitting screw for UA profile
3. Premium Profile UW	7.1. Drywall screw 3.5 x 25 mm	7.5. Self-drilling screw TEX 4.2 x 13 mm	10. Angle bead	12. Premium Profile UD
4. Acoustic foam tape	7.2. Drywall screw 3.5 x 35 mm	7.6. Self-drilling screw 3.5 x 25, 35 mm	11. Premium Profile UA	13. Premium Profile CD

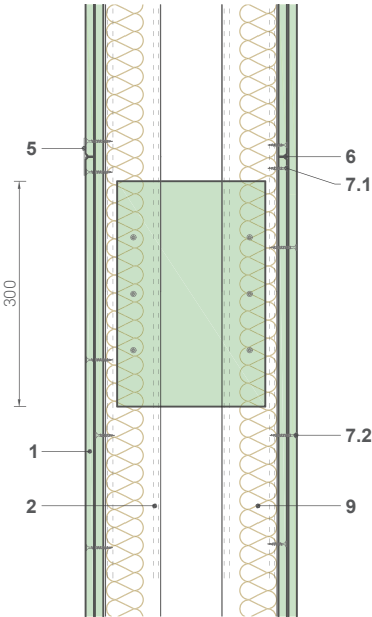
V01 Upper connection to massive element



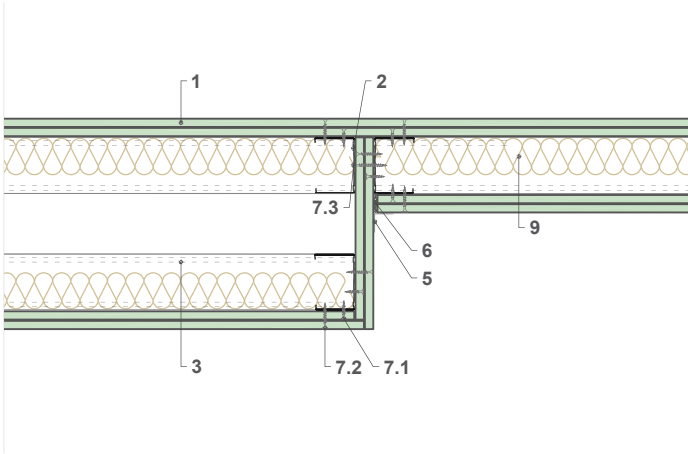
V03 Lower connection to massive floor



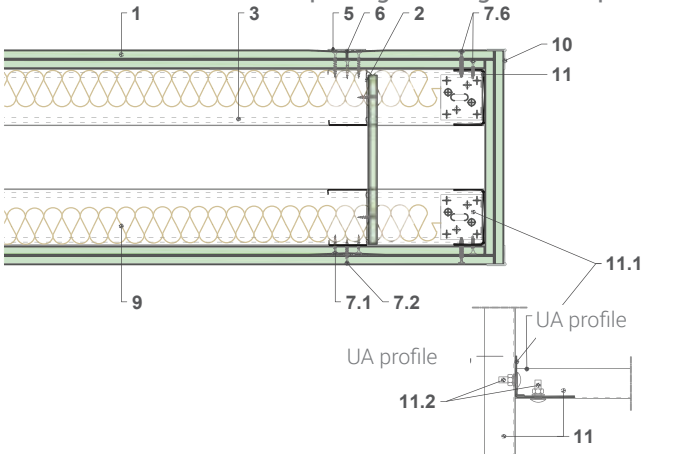
V02 Joint



H09 Connection W2-2B with W1-2



H11 Opening forming with UA profile



SYSTEM COMPONENTS Technogips Pro

1. Technogips Pro Board 12.5 mm	5. Joint tape	7.3. Drywall screw 3.5 x 45 mm	8. Nail plug / Ceiling anchor 6 x 40, 60, 80 mm	11.1. Angle for UA profile
2. Premium Profile CW	6. Joint filler FUGA	7.4. Drywall screw 3.5 x 55 mm	9. Mineral wool	11.2. Frame fitting screw for UA profile
3. Premium Profile UW	7.1. Drywall screw 3.5 x 25 mm	7.5. Self-drilling screw TEX 4.2 x 13 mm	10. Angle bead	12. Premium Profile UD
4. Acoustic foam tape	7.2. Drywall screw 3.5 x 35 mm	7.6. Self-drilling screw 3.5 x 25, 35 mm	11. Premium Profile UA	13. Premium Profile CD

Detail for High Walls W2-2B - Upper connection to massive element, vertical section

The selection of the type of the upper connection and the type of UW profile depends on the height of the wall and **a** - the expected maximum deviation of the system.

Details of upper connections below:

SYSTEM COMPONENTS Technogips Pro				
1. Board 12.5 mm				
2. Premium Profile CW				
3. Premium Profile UW				
4. Acoustic foam tape				
6. Joint filler FUGA				
7.1. Drywall screw 3.5 x 25 mm				
7.2. Drywall screw 3.5 x 35 mm				
7.4. Drywall screw 3.5 x 55 mm				
8.1. Ceiling anchor 6 x 40, 60, 80 mm				
8.2. Concrete screwbolt				
8.3. Bolt anchor				
9. Insulation strip				

Detail	V01.1	V01.2	V01.3
Height (m)	≤ 4 m	≤ 6 m	≤ 12 m
Deflection - a (mm)	a ≤ 10 mm	a ≤ 20 mm	30 ≤ a ≤ 60 mm
UW Profile - section	Standard size UW profile with flange c=40 mm	Standard size UW profile with flange c=40 mm	Reinforced UW profile with flange c=120 mm
UW Profile - thickness	0.6 mm	0.6 mm	1.0 mm

The specified maximum deflection of system (a) includes the total displacement of the floor slabs and the extension of the CW profile in the case of a fire.
With an expected deviation (a) > 70 mm, an special connection should be specified by request.

PARTITION WALLS

Technogips Pro W2-3A



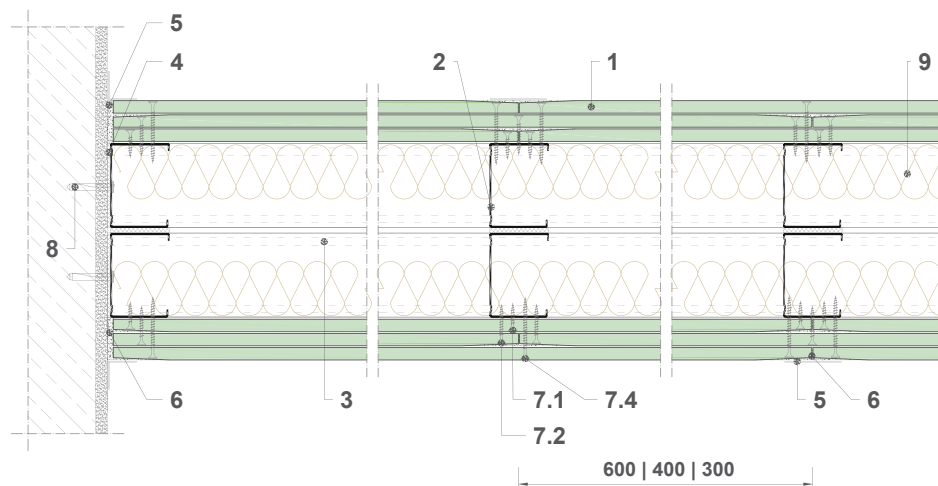
 **30 45 60 90 120 180**

 Airborne Sound Insulation
R_W up to 72 dB

 Wall Self-Weight
up to 84 kg/m²

 Wall Thickness
180 | 230 | 280 mm

 Wall Heights
up to 7.20 m



Material consumption* per 1 m ²			Stud spacing [mm]		
			600	400	300
1	Technogips Pro Board Type A / H2 / DF / DFH2 / Sound Comfort Extra DF / Titan Board / Blue Board	m ²	6.0	6.0	6.0
2	Premium Profile CW 50, 75, 100, 125, 150 / 0.6 mm	m	4.0	6.0	8.0
3	Premium Profile UW 50, 75, 100, 125, 150 / 0.6 mm	m	1.4	1.6	1.8
4	Acoustic foam tape @ the peripheral profiles	m	2.4	2.4	2.4
5	Joint tape** @ all last layers joints + peripheral ones	m	3.0	3.0	3.0
6	Joint filler FUGA&FINISH Light / FUGA for fire protection @ all layers	kg	2.1 / 1.8	2.1 / 1.8	2.1 / 1.8
7.1	Drywall screw 3.5 x 25 mm @ 500 mm	pcs	15.0	18.0	30.0
7.2	Drywall screw 3.5 x 35 mm / @ 500 mm / @ 12.5 mm plasterboards Drywall screw 3.5 x 45 mm / @ 500 mm / @ 15 mm plasterboards	pcs	15.0	18.0	30.0
7.4	Drywall screw 3.5 x 55 mm / @ 250 mm / @ 12.5 mm plasterboards Drywall screw 4.2 x 70 mm / @ 250 mm / @ 15 mm plasterboards	pcs	30.0	45.0	60.0
8	Nail plug @ 500 mm Ceiling anchor for fire protection @ 500 mm	pcs	3.2	3.2	3.2
9	Mineral wool (optional)	m ²	2.0	2.0	2.0
	Skim coat SATEN / FUGA&FINISH Light	kg	1.7 / 1.0	1.7 / 1.0	1.7 / 1.0

* The consumption quantities are calculated for a straight wall, without openings and curves, with surface area of 10.8 m² (2.7 m in height and 4.0 m in width), without losses and wastes.

** In case of Fire Protection requirements, it is necessary to apply Joint tape on each layer. The consumption will be 9.0 m² for 1 m²

PARTITION WALLS Technogips Pro W2-3A

Double Metal Stud Frame – Triple Layer Cladding



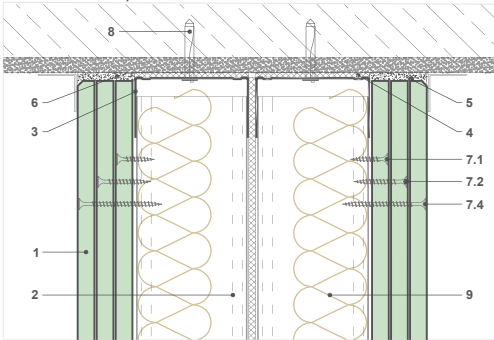
Board		Wall Weight	Wall Thickness	Profile	Insulation	Sound Insulation Rw ²⁾			Fire Protection (without insulation)																							
Type	Thickness			Cavity	Thickness	Rw glass wool	Rw stone wool	Rw without insulation	EI 0 ³⁾			EI 30			EI 45			EI 60			EI 90			EI 120			EI 180					
	minimum	without insulation			minimum				Profile Spacing, mm																							
	mm	kg/m²	mm	mm	mm	dB	dB	dB	600	400	300	600	400	300	600	400	300	600	400	300	600	400	300	600	400	300	600	400	300			
Maximum permissible heights depending on the type of lining, m ¹⁾																																
A	3x12.5	61	180	2 x CW 50	2x40	62	63	52	4.50	4.75	5.40																					
H2	3x12.5	61	180		2x40	62	63	52	4.50	4.75	5.40																					
DF	3x12.5	69	180		2x40	63	64	54	4.50	4.75	5.40																					
DFH2	3x12.5	69	180		2x40	63	64	54	4.50	4.75	5.40	4.50	4.75	5.40	4.50	4.75	5.40	4.50	4.75	5.40	4.50	4.75	5.40	4.00	4.00	4.00						
Sound Comfort Extra DF	3x12.5	78	180		2x40	64	65	57	4.50	4.75	5.40																					
Titan Board DFH1IR	3x12.5	84	180		2x40	65	66	59	4.50	4.75	5.40	4.50	4.75	5.40	4.50	4.75	5.40	4.50	4.75	5.40	4.50	4.75	5.40	4.00	4.00	4.00						
Blue Board GMFH1IR	3x12.5	81	180		2x40	64	65	58	4.50	4.75	5.40	4.50	4.75	5.40	4.50	4.75	5.40	4.50	4.75	5.40	4.50	4.75	5.40	4.00	4.00	4.00						
DF	3x15	84	190		2x40	63	64	57	4.50	4.75	5.40																					
DFH2	3x15	84	190		2x40	63	64	57	4.50	4.75	5.40	4.50	4.75	5.40	4.50	4.75	5.40	4.50	4.75	5.40	4.50	4.75	5.40	4.00	4.00	4.00						
A	3x12.5	61	230	2 x CW 75	2x60	63	64	54	5.80	6.00	6.50																					
H2	3x12.5	61	230		2x60	63	64	54	5.80	6.00	6.50																					
DF	3x12.5	69	230		2x60	64	65	56	5.80	6.00	6.50																					
DFH2	3x12.5	69	230		2x60	64	65	56	5.80	6.00	6.50	5.80	6.00	6.50	5.80	6.00	6.50	5.80	6.00	6.50	5.80	6.00	6.50	4.00	4.00	4.00						
Sound Comfort Extra DF	3x12.5	78	230		2x60	65	66	59	5.80	6.00	6.50																					
Titan Board DFH1IR	3x12.5	84	230		2x60	67	68	60	5.80	6.00	6.50	5.80	6.00	6.50	5.80	6.00	6.50	5.80	6.00	6.50	5.80	6.00	6.50	4.00	4.00	4.00						
Blue Board GMFH1IR	3x12.5	81	230		2x60	65	66	59	5.80	6.00	6.50	5.80	6.00	6.50	5.80	6.00	6.50	5.80	6.00	6.50	5.80	6.00	6.50	4.00	4.00	4.00						
DF	3x15	84	240		2x60	64	65	59	5.80	6.00	6.50																					
DFH2	3x15	84	240		2x60	64	65	59	5.80	6.00	6.50	5.80	6.00	6.50	5.80	6.00	6.50	5.80	6.00	6.50	5.80	6.00	6.50	4.00	4.00	4.00						
A	3x12.5	61	280	2 x CW 100	2x80	64	65	55	6.50	6.80	7.20																					
H2	3x12.5	61	280		2x80	64	65	55	6.50	6.80	7.20																					
DF	3x12.5	69	280		2x80	68	69	57	6.50	6.80	7.20																					
DFH2	3x12.5	69	280		2x80	68	69	57	6.50	6.80	7.20	6.50	6.80	7.20	6.50	6.80	7.20	6.50	6.80	7.20	6.50	6.80	7.20	4.00	4.00	4.00						
Sound Comfort Extra DF	3x12.5	78	280		2x80	69	71	59	6.50	6.80	7.20																					
Titan Board DFH1IR	3x12.5	84	280		2x80	71	72	61	6.50	6.80	7.20	6.50	6.80	7.20	6.50	6.80	7.20	6.50	6.80	7.20	6.50	6.80	7.20	4.00	4.00	4.00						
Blue Board GMFH1IR	3x12.5	81	280		2x80	66	67	60	6.50	6.80	7.20	6.50	6.80	7.20	6.50	6.80	7.20	6.50	6.80	7.20	6.50	6.80	7.20	4.00	4.00	4.00						
DF	3x15	84	290		2x80	68	69	59	6.50	6.80	7.20																					
DFH2	3x15	84	290		2x80	68	69	59	6.50	6.80	7.20	6.50	6.80	7.20	6.50	6.80	7.20	6.50	6.80	7.20	6.50	6.80	7.20	4.00	4.00	4.00						

1) Permissible heights according to DIN 18 183 and additional cold static calculations.

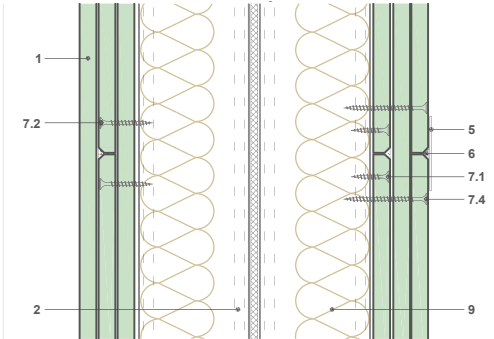
2) Rw calculation value of sound reduction index of the separating partition walls according to EN ISO 140-3 and EN ISO 717-1 and profiles centred at 600 mm. The values are achieved with insulation according to EN 13162 and air flow resistance $r > 5 \text{ kPa s/m}^2$.

3) Permissible heights without fire protection

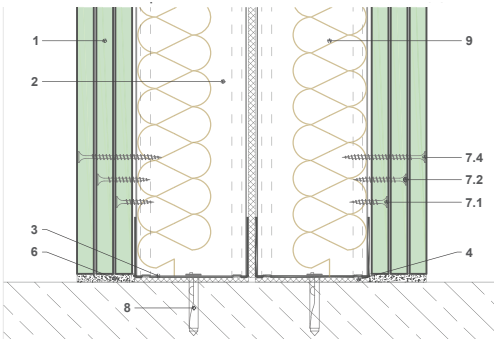
V01 Upper connection to massive element



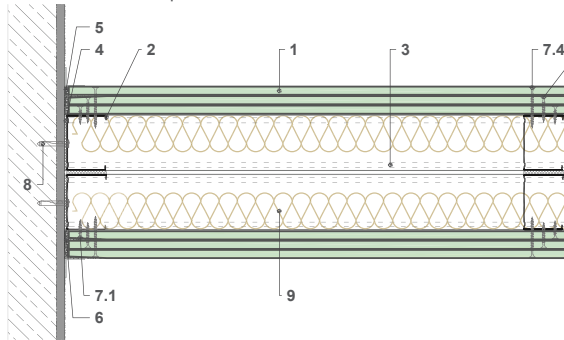
V02 Joint



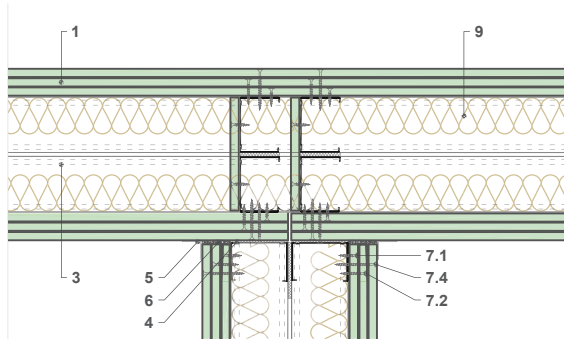
V03 Lower connection to massive floor



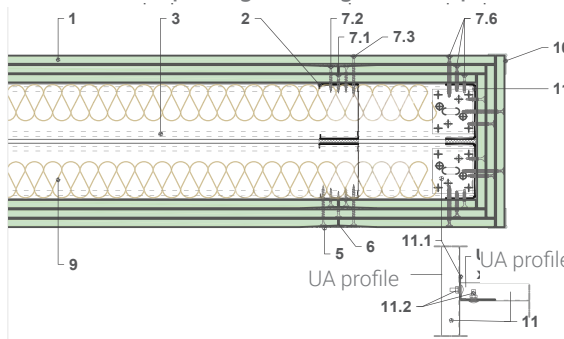
H01 Connection to massive element



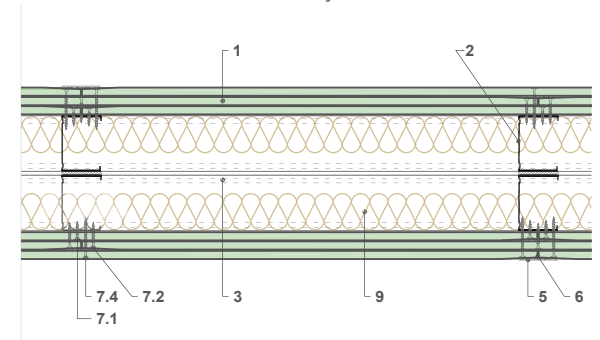
H03 T-intersection



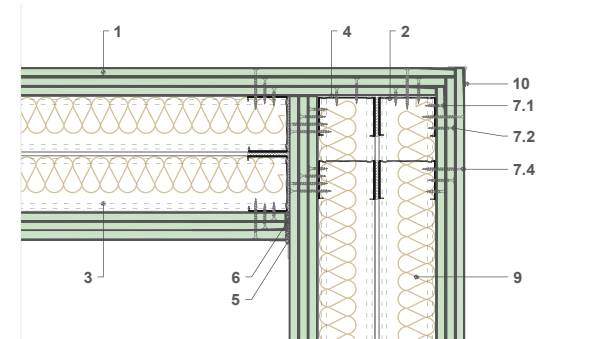
H11 Opening forming with UA profile



H02 Joint



H04 Corner intersection W2-3A with W2-3A



SYSTEM COMPONENTS Technogips Pro

1. Technogips Pro Board 12.5 mm	5. Joint tape	7.3. Drywall screw 3.5 x 45 mm	8. Nail plug / Ceiling anchor 6 x 40, 60, 80 mm	11.1. Angle for UA profile
2. Premium Profile CW	6. Joint filler FUGA	7.4. Drywall screw 3.5 x 55 mm	9. Mineral wool	11.2. Frame fitting screw for UA profile
3. Premium Profile UW	7.1. Drywall screw 3.5 x 25 mm	7.5. Self-drilling screw TEX 4.2 x 13 mm	10. Angle bead	12. Premium Profile UD
4. Acoustic foam tape	7.2. Drywall screw 3.5 x 35 mm	7.6. Self-drilling screw 3.5 x 25, 35 mm	11. Premium Profile UA	13. Premium Profile CD

Details for High Walls W2-3A - Upper connection to massive element, vertical section

The selection of the type of the upper connection and the type of UW profile depends on the height of the wall and **a** - the expected maximum deviation of the system.

Details of upper connections below:

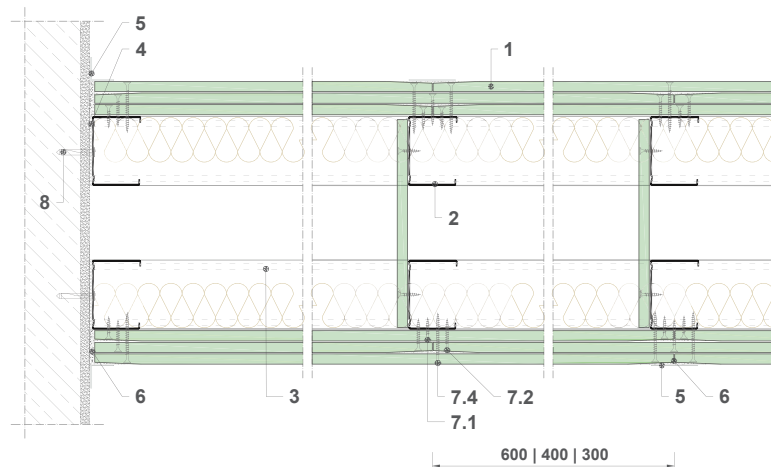
SYSTEM COMPONENTS Technogips Pro				
1. Board 12.5 mm				
2. Premium Profile CW				
3. Premium Profile UW				
4. Acoustic foam tape				
6. Joint filler FUGA				
7.1. Drywall screw 3.5 x 25 mm				
7.2. Drywall screw 3.5 x 35 mm				
7.4. Drywall screw 3.5 x 55 mm				
8.1. Ceiling anchor 6 x 40, 60, 80 mm				
8.2. Concrete screwbolt				
8.3. Bolt anchor				
9. Insulation strip				

Detail	V01.1	V01.2	V01.3
Height (m)	≤ 4 m	≤ 6 m	≤ 12 m
Deflection - a (mm)	a ≤ 10 mm	a ≤ 20 mm	30 ≤ a ≤ 60 mm
UW Profile - section	Standard size UW profile with flange c=40 mm	Standard size UW profile with flange c=40 mm	Reinforced UW profile with flange c=120 mm
UW Profile - Thickness	0.6 mm	0.6 mm	1.0 mm

The specified maximum deflection of system (a) includes the total displacement of the floor slabs and the extension of the CW profile in the case of a fire.
With an expected deviation (a) > 70 mm, an special connection should be specified by request.

PARTITION WALLS

Technogips Pro W2-3B



 **30 45 60 90 120 180**

 Airborne Sound Insulation
R_w up to 63 dB

 Wall Self-Weight
up to 91 kg/m²

 Wall Thickness
180 ÷ 800 mm

 Wall Heights
up to 6.80 m

Material consumption* per 1 m ²			Stud spacing [mm]		
			600	400	300
1	Technogips Pro Board Type A / H2 / DF / DFH2 / Sound Comfort Extra DF / Titan Board / Blue Board	m ²	6.2	6.3	6.4
2	Premium Profile CW 50, 75, 100, 125, 150 / 0.6 mm	m	4.0	6.0	8.0
3	Premium Profile UW 50, 75, 100, 125, 150 / 0.6 mm	m	1.4	1.6	1.8
4	Acoustic foam tape @ the peripheral profiles	m	2.4	2.4	2.4
5	Joint tape** @ all last layers joints + peripheral ones	m	3.0	3.0	3.0
6	Joint filler FUGA&FINISH Light / FUGA for fire protection @ all layers	kg	2.1 / 1.8	2.1 / 1.8	2.1 / 1.8
7.1	Drywall screw 3.5 x 25 mm @ 500 mm	pcs	15.0	18.0	30.0
7.2	Drywall screw 3.5 x 35 mm / @ 500 mm / @ 12.5 mm plasterboards Drywall screw 3.5 x 45 mm / @ 500 mm / @ 15 mm plasterboards	pcs	15.0	18.0	30.0
7.4	Drywall screw 3.5 x 55 mm / @ 250 mm / @ 12.5 mm plasterboards Drywall screw 4.2 x 70 mm / @ 250 mm / @ 15 mm plasterboards	pcs	30.0	45.0	60.0
8	Nail plug @ 500 mm Ceiling anchor for fire protection @ 500 mm	pcs	3.2	3.2	3.2
9	Mineral wool (optional)	m ²	2.0	2.0	2.0
	Skim coat SATEN / FUGA&FINISH Light	kg	1.7 / 1.0	1.7 / 1.0	1.7 / 1.0

* The consumption quantities are calculated for a straight wall, without openings and curves, with surface area of 10.8 m² (2.7 m in height and 4.0 m in width), without losses and wastes.

** In case of Fire Protection requirements, it is necessary to apply Joint tape on each layer. The consumption will be 9.0 m² for 1 m²

PARTITION WALLS **Technogips Pro W2-3B**
Double Metal Stud Frame – Triple Layer Cladding (Installation Wall)



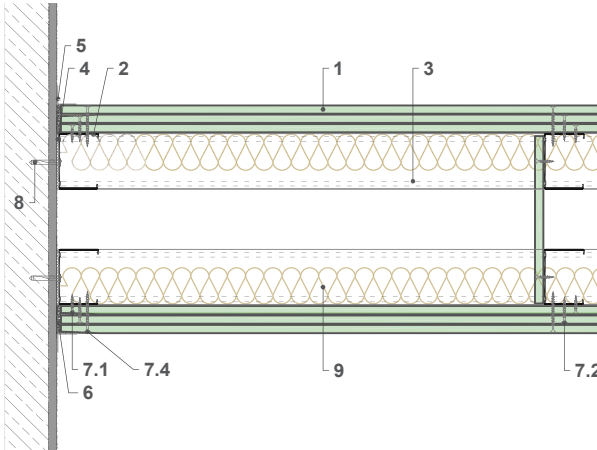
Board		Wall Weight	Wall Thickness	Profile	Insulation	Sound Insulation R_w ²⁾			Fire Protection (without insulation)																						
Type	Thickness			Cavity	Thickness	R_w glass wool	R_w stone wool	R_w without insulation	EI 0 ³⁾			EI 30			EI 45			EI 60			EI 90			EI 120			EI 180				
	minimum	without insulation			minimum				Profile Spacing, mm																						
	mm	kg/m²	mm	mm	mm	dB	dB	dB	600	400	300	600	400	300	600	400	300	600	400	300	600	400	300	600	400	300	600	400	300		
Maximum permissible heights depending on the type of lining, m ¹⁾																															
A	3x12.5	66	180 ÷ 600	2 x CW 50	2x40	54	55	50	4.50	4.75	4.75																				
H2	3x12.5	66	180 ÷ 600		2x40	54	55	50	4.50	4.75	4.75																				
DF	3x12.5	75	180 ÷ 600		2x40	55	56	51	4.50	4.75	4.75																				
DFH2	3x12.5	75	180 ÷ 600		2x40	55	56	51	4.50	4.75	4.75	4.50	4.75	4.75	4.50	4.75	4.75	4.50	4.75	4.75	4.50	4.75	4.75	4.00	4.00	4.00					
Sound Comfort Extra DF	3x12.5	85	180 ÷ 600		2x40	58	59	54	4.50	4.75	4.75																				
Titan Board DFH1IR	3x12.5	91	180 ÷ 600		2x40	60	61	56	4.50	4.75	4.75	4.50	4.75	4.75	4.50	4.75	4.75	4.50	4.75	4.75	4.50	4.75	4.75	4.00	4.00	4.00					
Blue Board GMFH1IR	3x12.5	88	180 ÷ 600		2x40	59	60	55	4.50	4.75	4.75	4.50	4.75	4.75	4.50	4.75	4.75	4.50	4.75	4.75	4.50	4.75	4.75	4.00	4.00	4.00					
DF	3x15	91	190 ÷ 600		2x40	58	59	54	4.50	4.75	4.75																				
DFH2	3x15	91	190 ÷ 600		2x40	58	59	54	4.50	4.75	4.75	4.50	4.75	4.75	4.50	4.75	4.75	4.50	4.75	4.75	4.50	4.75	4.75	4.00	4.00	4.00					
A	3x12.5	66	230 ÷ 600	2 x CW 75	2x60	54	55	50	5.80	6.00	6.00																				
H2	3x12.5	66	230 ÷ 600		2x60	54	55	50	5.80	6.00	6.00																				
DF	3x12.5	75	230 ÷ 600		2x60	56	57	52	5.80	6.00	6.00																				
DFH2	3x12.5	75	230 ÷ 600		2x60	56	57	52	5.80	6.00	6.00	5.80	6.00	6.00	5.80	6.00	6.00	5.80	6.00	6.00	5.80	6.00	6.00	4.00	4.00	4.00					
Sound Comfort Extra DF	3x12.5	85	230 ÷ 600		2x60	58	59	54	5.80	6.00	6.00																				
Titan Board DFH1IR	3x12.5	91	230 ÷ 600		2x60	60	61	56	5.80	6.00	6.00	5.80	6.00	6.00	5.80	6.00	6.00	5.80	6.00	6.00	5.80	6.00	6.00	4.00	4.00	4.00					
Blue Board GMFH1IR	3x12.5	88	230 ÷ 600		2x60	59	60	55	5.80	6.00	6.00	5.80	6.00	6.00	5.80	6.00	6.00	5.80	6.00	6.00	5.80	6.00	6.00	4.00	4.00	4.00					
DF	3x15	91	240 ÷ 600		2x60	58	59	54	5.80	6.00	6.00																				
DFH2	3x15	91	240 ÷ 600		2x60	58	59	54	5.80	6.00	6.00	5.80	6.00	6.00	5.80	6.00	6.00	5.80	6.00	6.00	5.80	6.00	6.00	4.00	4.00	4.00					
A	3x12.5	66	280 ÷ 800	2 x CW 100	2x80	56	57	52	6.50	6.80	6.80																				
H2	3x12.5	66	280 ÷ 800		2x80	56	57	52	6.50	6.80	6.80																				
DF	3x12.5	75	375 ÷ 800		2x80	58	59	54	6.50	6.80	6.80																				
DFH2	3x12.5	75	375 ÷ 800		2x80	58	59	54	6.50	6.80	6.80	6.50	6.80	6.80	6.50	6.80	6.80	6.50	6.80	6.80	6.39	6.80	6.80	4.00	4.00	4.00					
Sound Comfort Extra DF	3x12.5	85	375 ÷ 800		2x80	60	61	56	6.50	6.80	6.80																				
Titan Board DFH1IR	3x12.5	91	280 ÷ 800		2x80	62	63	58	6.50	6.80	6.80	6.50	6.80	6.80	6.50	6.80	6.80	6.50	6.80	6.80	6.50	6.80	6.80	4.00	4.00	4.00					
Blue Board GMFH1IR	3x12.5	88	280 ÷ 800		2x80	61	62	57	6.50	6.80	6.80	6.50	6.80	6.80	6.50	6.80	6.80	6.50	6.80	6.80	6.50	6.80	6.80	4.00	4.00	4.00					
DF	3x15	91	290 ÷ 800		2x80	60	61	56	6.50	6.80	6.80																				
DFH2	3x15	91	290 ÷ 800		2x80	60	61	56	6.50	6.80	6.80	6.50	6.80	6.80	6.50	6.80	6.80	6.50	6.80	6.80	6.39	6.80	6.80	4.00	4.00	4.00					

1) Permissible heights according to DIN 18 183 and additional cold static calculations.

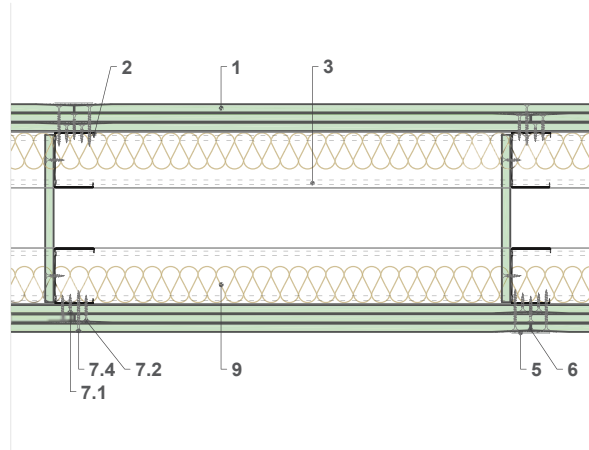
2) R_w calculation value of sound reduction index of the separating partition walls according to EN ISO 140-3 and EN ISO 717-1 and profiles centred at 600 mm.
The values are achieved with insulation according to EN 13162 and air flow resistance $r > 5 \text{ kPa s/m}^2$.

3) Permissible heights without fire protection.

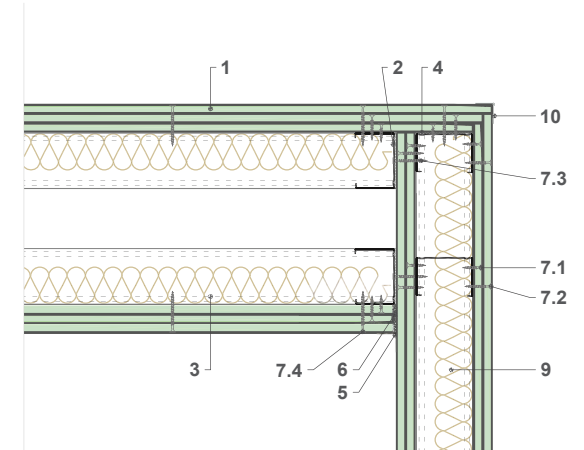
H01 Connection to massive element



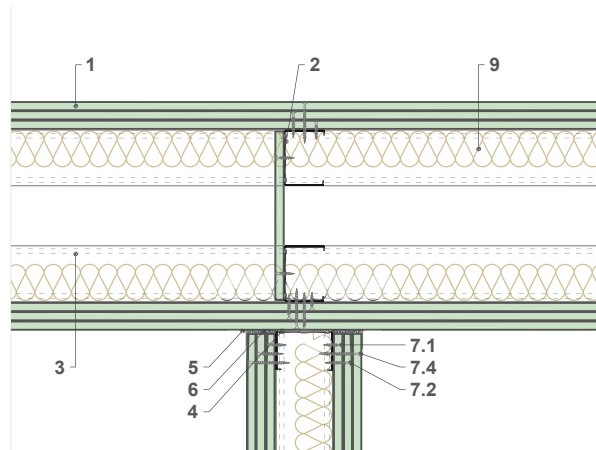
H02 Joint



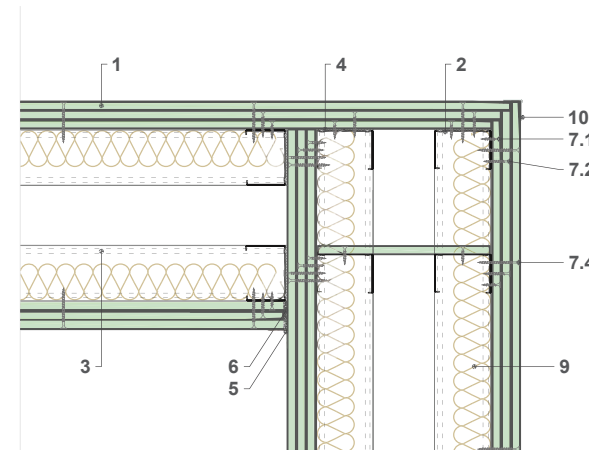
H04.2 Corner intersection W2-3B with W1-2



H03 T-Intersection



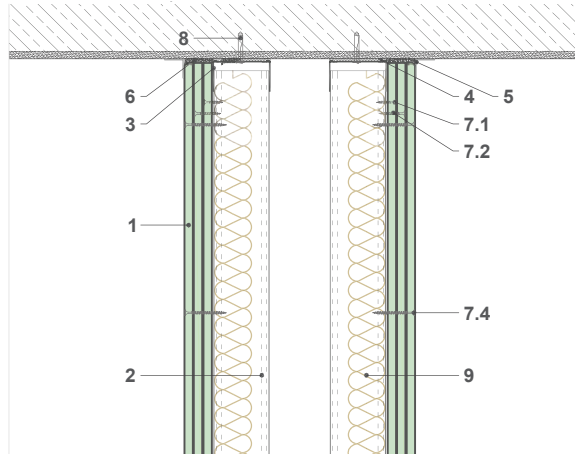
H04.1 Corner intersection W2-3B with W2-3B



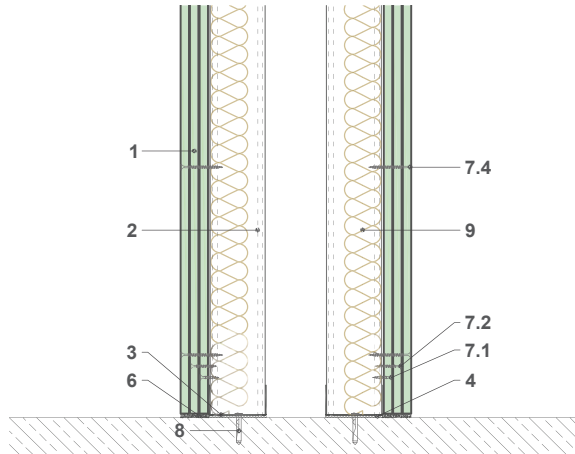
SYSTEM COMPONENTS Technogips Pro

1. Technogips Pro Board 12.5 mm	5. Joint tape	7.3. Drywall screw 3.5 x 45 mm	8. Nail plug / Ceiling anchor 6 x 40, 60, 80 mm	11.1. Angle for UA profile
2. Premium Profile CW	6. Joint filler FUGA	7.4. Drywall screw 3.5 x 55 mm	9. Mineral wool	11.2. Frame fitting screw for UA profile
3. Premium Profile UW	7.1. Drywall screw 3.5 x 25 mm	7.5. Self-drilling screw TEX 4.2 x 13 mm	10. Angle bead	12. Premium Profile UD
4. Acoustic foam tape	7.2. Drywall screw 3.5 x 35 mm	7.6. Self-drilling screw 3.5 x 25, 35 mm	11. Premium Profile UA	13. Premium Profile CD

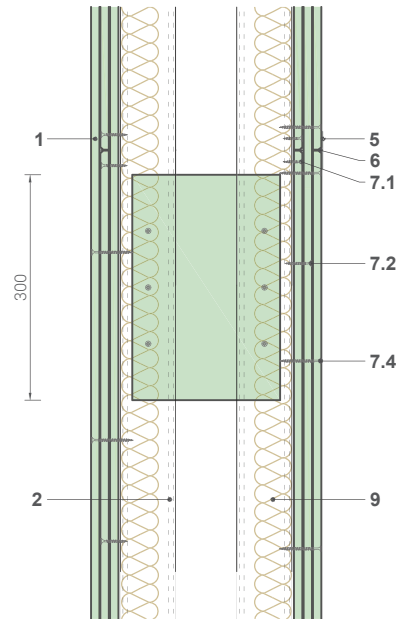
V01 Upper connection to massive element



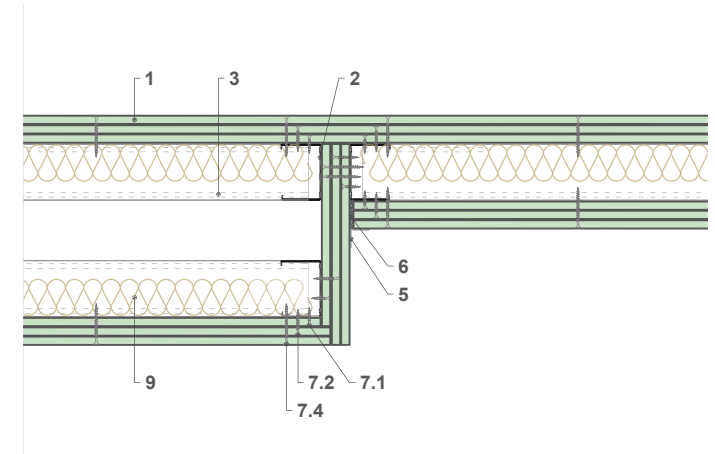
V03 Lower connection to massive floor



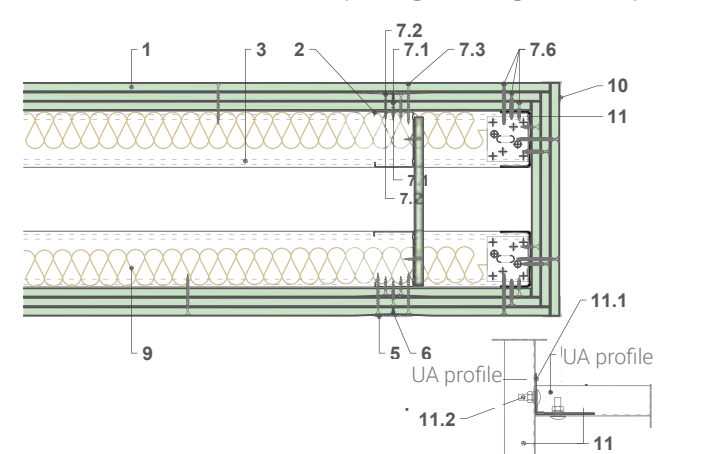
V02 Joint



H09 Connection W2-3B with W1-3



H11 Opening forming with UA profile



SYSTEM COMPONENTS Technogips Pro

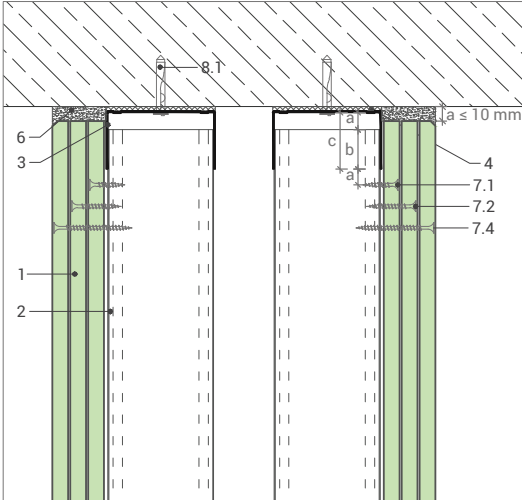
1. Technogips Pro Board 12.5 mm	5. Joint tape	7.3. Drywall screw 3.5 x 45 mm	8. Nail plug / Ceiling anchor 6 x 40, 60, 80 mm	11.1. Angle for UA profile
2. Premium Profile CW	6. Joint filler FUGA	7.4. Drywall screw 3.5 x 55 mm	9. Mineral wool	11.2. Frame fitting screw for UA profile
3. Premium Profile UW	7.1. Drywall screw 3.5 x 25 mm	7.5. Self-drilling screw TEX 4.2 x 13 mm	10. Angle bead	12. Premium Profile UD
4. Acoustic foam tape	7.2. Drywall screw 3.5 x 35 mm	7.6. Self-drilling screw 3.5 x 25, 35 mm	11. Premium Profile UA	13. Premium Profile CD

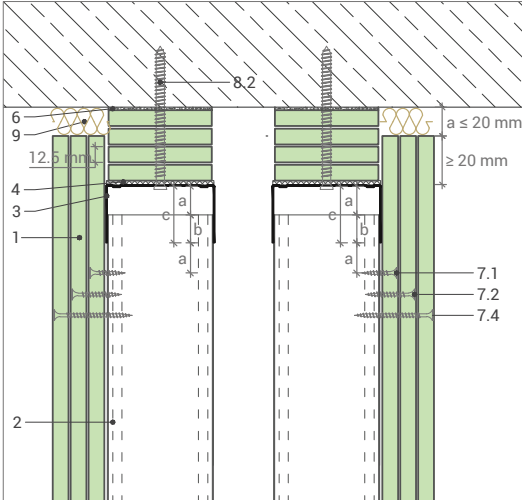
Detail for High Walls W2-3B - Upper connection to massive element, vertical section

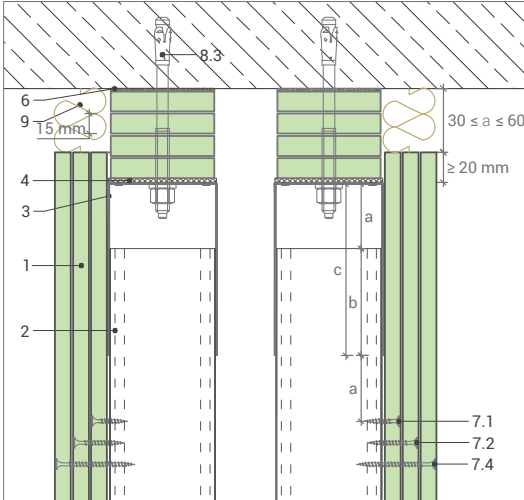
The selection of the type of the upper connection and the type of UW profile depends on the height of the wall and **a** - the expected maximum deviation of the system.

Details of upper connections below:

SYSTEM COMPONENTS Technogips Pro	
1. Board 12.5 mm	
2. Premium Profile CW	
3. Premium Profile UW	
4. Acoustic foam tape	
6. Joint filler FUGA	
7.1. Drywall screw 3.5 x 25 mm	
7.2. Drywall screw 3.5 x 35 mm	
7.4. Drywall screw 3.5 x 55 mm	
8.1. Ceiling anchor 6 x 40, 60, 80 mm	
8.2. Concrete screwbolt	
8.3. Bolt anchor	
9. Insulation strip	

V01.1 Height ≤ 4 m	
	
6	
3	
4	
7.1	
7.2	
7.4	
1	
2	
8.1	
a ≤ 10 mm	
a ≤ 20 mm	
Standard size UW profile with flange c=40 mm	
0.6 mm	

V01.2 Height ≤ 6 m	
	
6	
9	
12.5 mm	
4	
3	
1	
2	
8.2	
a ≤ 20 mm	
≥ 20 mm	
7.1	
7.2	
7.4	
a ≤ 20 mm	
Standard size UW profile with flange c=40 mm	
0.6 mm	

V01.3 Height ≤ 12 m	
	
6	
9	
15 mm	
4	
3	
1	
2	
8.3	
30 ≤ a ≤ 60 mm	
≥ 20 mm	
7.1	
7.2	
7.4	
a ≥ 20 mm	
Reinforced UW profile with flange c=120 mm	
1.0 mm	

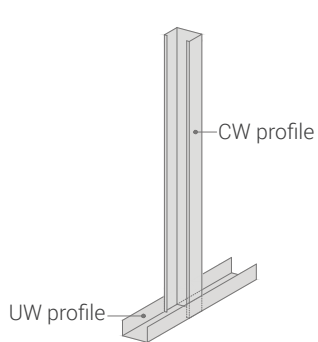
Detail
Height (m)
Deflection - a (mm)
UW Profile - section
UW Profile - thickness

V01.1
≤ 4 m
a ≤ 10 mm
Standard size UW profile with flange c=40 mm
0.6 mm

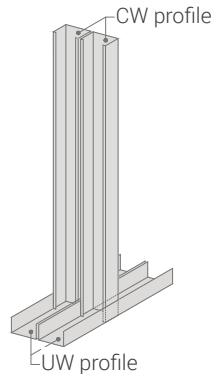
V01.2
≤ 6 m
a ≤ 20 mm
Standard size UW profile with flange c=40 mm
0.6 mm

V01.3
≤ 12 m
30 ≤ a ≤ 60 mm
Reinforced UW profile with flange c=120 mm
1.0 mm

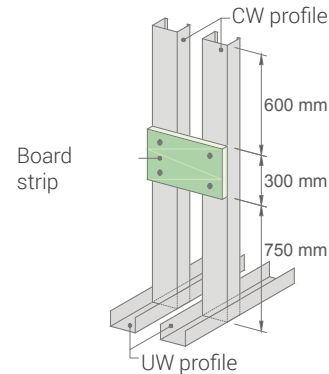
The specified maximum deflection of system (**a**) includes the total displacement of the floor slabs and the extension of the CW profile in the case of a fire.
With an expected deviation (**a**) > 70 mm, an special connection should be specified by request.



W1-1 / W1-2 / W1-3 / W1-4



W 2-2A / W 2-3A



W 2-2B / W 2-3B

CW 50	UW 50
CW 75	UW 75
CW 100	UW 100
CW 125	UW 125
CW 150	UW 150

Fixing of the peripheral profiles to the surrounding structure:

Marking the desired position of the partition wall on the floor and walls using a laser level or a chalk line. The back side of the peripheral horizontal UW profiles and the end vertical CW profiles which are in direct contact with the surrounding structures need to be insulated with an Acoustic foam tape for better sound insulation. The width of the Acoustic foam tape is based on the width of the profile used. In accordance with the prepared marking, the peripheral profiles are fixed using suitable dowels at 50 mm from the beginning of the profile and over 500 mm in its middle part, but not less than 3 fasteners per profile.

Installation of vertical CW profiles:

The vertical CW profiles of the metal structure are mounted between the upper and the lower horizontal profiles, with the required stud spacing of the profiles depending on the height of the room. The stud spacing of the vertical profiles can be 600, 400 or 300 mm. The height of the vertical profiles to be shorter than 10 mm than floor to ceiling height. For subsequent ceramic coatings, the vertical profiles need to be mounted at a 400 mm stud spacing or the lining should be of at least two layers of plasterboard.

Movement or Expansion Control Joints

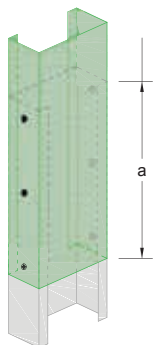
Form 'Expansion gap detail H05' in the case of partition wall exceeding approx. 10 m in length. Form the same detail where the suspended ceiling cross a movement joint in the main structure.

Vertical extension of profiles

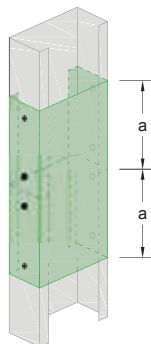
The profile extensions should alternate at the bottom and upper end of the wall.

Wall height ≤ 4 m

Without additional profile

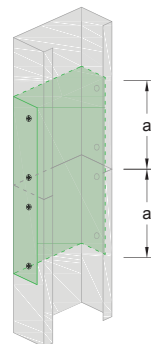


With additional CW profile



Wall height > 4 m

With additional UW profile



Profile type	Overlap - a
CW 50	≥ 500 mm
CW 75	≥ 750 mm
CW 100	≥ 1000 mm
CW 125	≥ 1000 mm
CW 150	≥ 1000 mm

Fixing the additional profile with Self-drilling screw TEX 4.2x13 at least on 4 spots on each side, according to scheme.

CANTILEVER LOADS

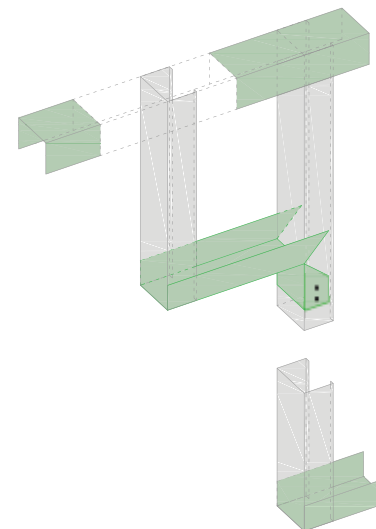
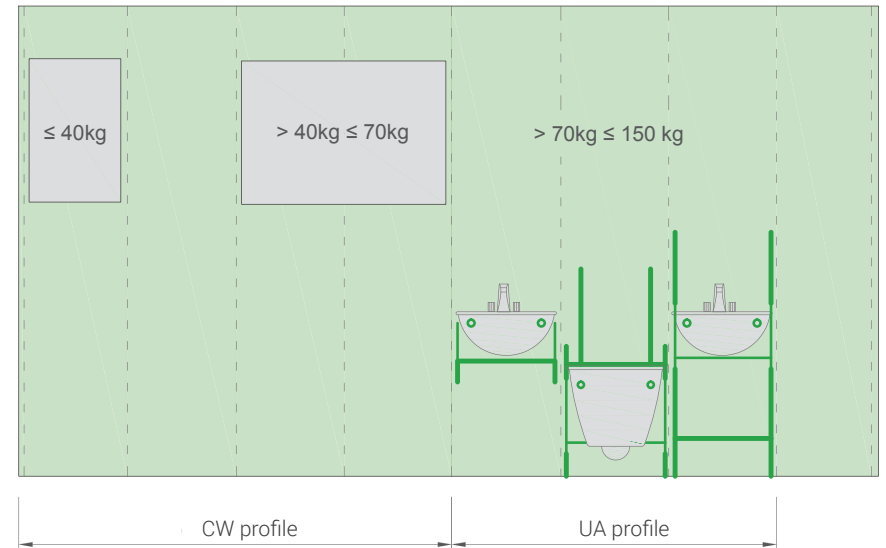
Metal Metal Stud Frame	Load
Partition Wall W1-1 with CW/UW profiles	$\leq 40 \text{ kg/m'}$
Partition Wall W1-2 / W1-3 / W1-4 with CW/UW profiles	$\leq 70 \text{ kg/m'}$
Partition Wall W1-2 / W1-3 / W1-4 with UA profiles	$> 70 \leq 150 \text{ kg/m'}$
At least 3 dowels for fixing the load.	

DOOR OPENINGS

Selecting the metal stud in relation to the width and weight of the door leaf:

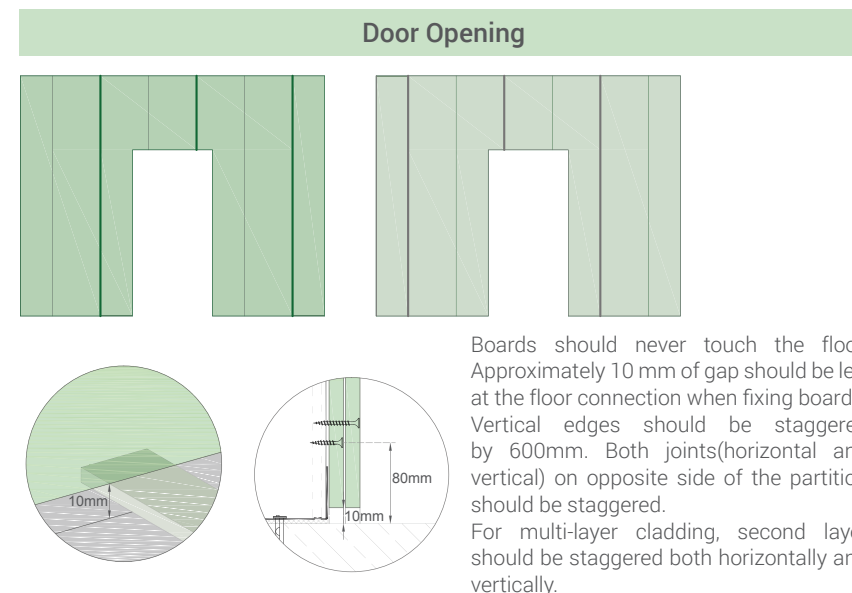
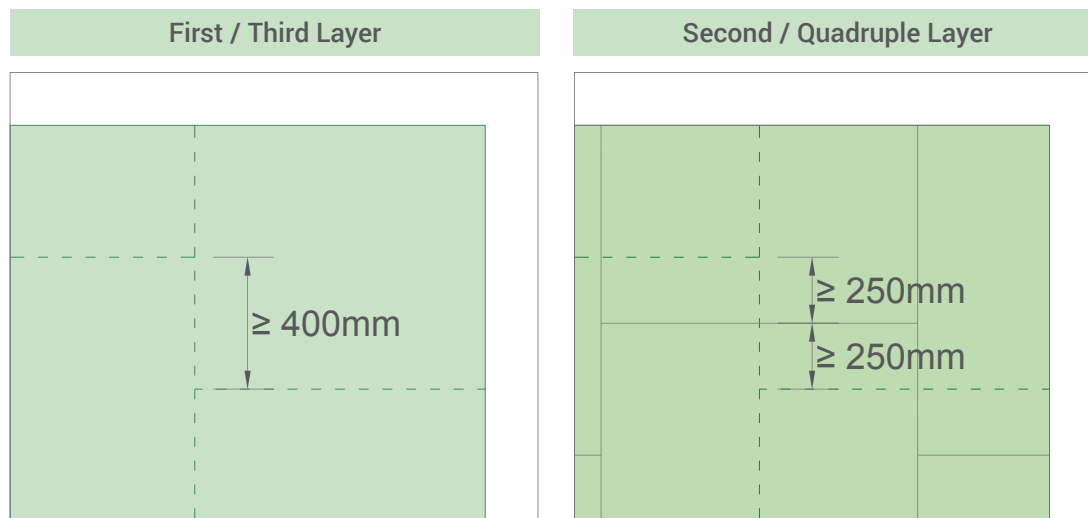
Width	CW 50 / 75 / 100*	UA 50	UA 75	UA 100	UA 125	UA 150
mm	kg	kg	kg	kg	kg	kg
≤ 1000	≤ 25	≤ 50	≤ 75	≤ 100	≤ 125	≤ 150
≤ 1250	x	≤ 40	≤ 60	≤ 80	≤ 100	≤ 120
≤ 1500	x	≤ 35	≤ 50	≤ 65	≤ 80	≤ 95

* Permissible height of the wall 280 cm



The lintel of the door is formed with UW profile, specifically dimensioned in length $2 \times 250 \text{ mm}$ + the door opening width. The lintel should be fixed to the vertical profile through Self-drilling screws TEX 4.2x13. When installing the upper Angle for UA, the Bolt Screw to the UA Profile remain loose, to avoid a rigid connection between the partition wall and the main structure.

CLADDING PATTERN

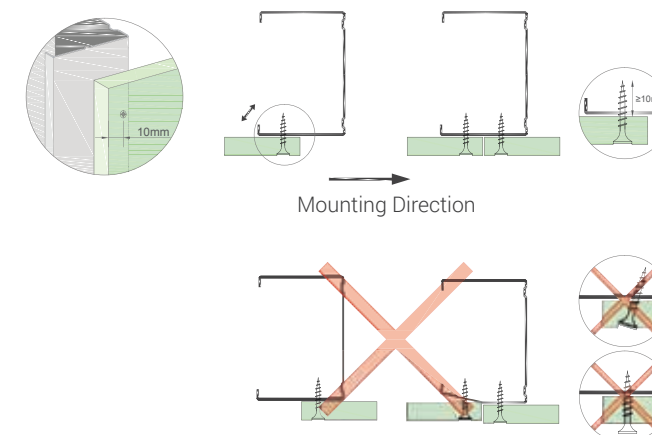


Screw Types

Drywall screw TN 3.5 x 25/35/45/50 or 4.2/70 with sharp point for grid with thickness of the metal profiles < 0.7 mm.
Self-drilling screw TB 3.5 x 25/35/45/50 with self-drilling point for grid with thickness of the metal profiles 0.7 ÷ 2.0 mm.

SCREW LENGTH SELECTION				
Cladding	1st Layer	2nd Layer	3rd Layer	4th Layer
9.5 mm	3.5 x 25	3.5 x 35	x	x
12.5 mm	3.5 x 25	3.5 x 35	3.5 x 55	4.2 x 70
15.0 mm	3.5 x 25	3.5 x 45	3.5 x 55	4.2 x 70
2 x 12.5 mm + 15.0 mm	3.5 x 25	3.5 x 35	3.5 x 55	x

DISTANCE BETWEEN FASTENERS				
Cladding Layers	1st Layer	2nd Layer	3rd Layer	4th Layer
Single Layer	250	x	x	x
Double Layer	500	250	x	x
Triple Layer	500	500	250	x
Quadruple Layer	500	500	500	250



The screw head should penetrate 1 mm below the surface of the board.
The mounting direction of the boards must begin from the open part of the CW flange and continue in the direction of its base.

SURFACE QUALITY LEVELS

According to Eurogypsum's classification – European federation of the gypsum product manufacturing industry. Developed and established, the 4 levels of quality finish classification for plasterCladding aims to provide clear definitions thus helping to reduce subjective judging of the end result.

Surface Quality Level	Aesthetic requirements	Finish surface suitability	Application	Suitable Product
Q1 (basic)	For surfaces without aesthetic requirements.	Ceramic tiles, decorative relief plasters with a thickness of more than 2 mm, etc. Corridors and ceilings of service rooms.	Filling the joints and reinforcing with tape. Filling the screw heads. In multi-layer systems and without fire protection requirements, the transition layers do not have to be reinforced with tape.	FUGA FUGA hydro FUGA & FINISH Light
Q2 (standard)	Standard level of completion.	Laying wallpaper with a medium or rough structure. Matt disperse and other paints with filler, which are applied with an ordinary paint roller. Decorative thin-layer plasters or skim coats with a thickness of 1 mm.	Fully finished and dried level Q1. Skimcoating and widening of the joint area to achieve a smooth transition of the surface. Laying a second layer on the screw heads. Forming internal and external corners. If necessary, polish the areas with fine sandpaper.	FUGA FUGA hydro FUGA & FINISH Light
Q3 (high)	High level - some shading still possible.	Laying thin and fine wallpaper Matt disperse and other paints with filler, which are applied with an ordinary paint roller. Decorative thin-layer plasters or skim coats with a thickness of 1 mm.	Fully finished and dried level Q2. Fine complete skimcoating of the surface, including, if necessary, polishing with fine sandpaper. Rough areas and imperfections are not allowed, but are not excluded.	SATEN FUGA & FINISH Light
Q4 (premium)	Premium end - minimised appearance of marks and traces.	Surfaces with requirements for extremely high surface quality. Surfaces to be treated with glossy paints and coatings. Premises with spot or bright light.	Fully finished and dried level Q2. Fine complete skimcoating of the surface with a layer <3 mm. Mandatory thorough inspection of the entire surface with directional LED light and polishing with fine sandpaper. Rough sections and imperfections are not allowed.	SATEN FUGA & FINISH Light

Additional Information

Untreated joints and surfaces are suitable for temporary construction or when the finish coat has not been determined.

Quality level Q2 does not ensure that marks and spots under the finishing layer will not be visible, particularly under bright or shallow light. These effects can be reduced by continuing with the next level Q3, which includes a thorough coating of the entire plasterboard surface.

If the finishing level of the surface is not specified, then by default quality level Q2 is accepted as sufficient.

It is important to note that quality level Q3 allows partly transparent areas in the jointing between the plasterboards especially under the effect of bright shallow light or in case of glossy finishing. If higher demands are made on quality of the finished surface we recommend the next quality level Q4.

JOINT TREATMENT

Application Conditions

The premise and substrate temperature must not be lower than 8 ° C and must be kept constant for at least 2 days before the joints are treated. Sudden temperature changes when ventilating the premises must be prevented. The flatness and quality of the installation of the boards must also be checked. In the presence of poorly screwed screws, they must be tightened to ensure the flatness of the plasterboard surface. Correct screws to be used with screw head just below the board surface.

Level Q1

First coat of Technogips Pro joint filler should be applied with joint knife of sufficient width beyond both sides of the center of the joint. Technogips Pro joint tape should be embedded into the joint filler to reinforce the joint between two boards.

Applying a second thin coat of the joint filler to level the joint with a width of approx. 80 mm

The visible screw heads should be also filled in.

In multi-layer systems and no fire protection requirements, the lower layers do not have to be reinforced with tape. In the case of fire protection systems, the reinforcement of the joints of all layers with joint tape is mandatory.

Level Q2

To be able to continue with level Q2 – aligning the joint area with continuous transition to the board surface, the absolutely necessary requirement is the first layer, level Q1 to be completely dried (this could take up to 24 hours). A thin leveling coat is applied on the joint with a width of approx. 300 mm for tapered (TE) edging and approx. 400 mm for square (SE) edging. This is sufficient to ensure a continuous gradual transition from the joint to the wallboard surface. The screw heads to be covered with second coat of the compound.

The inner and outer corners should be formed. The outer corners must be formed with an Aluminum angle bead, which must be fixed and leveled with small part of the compound. For a stronger connection and maximum protection against cracks, additional reinforcement with fiberglass tape is recommended at the transition between the corner and the plasterboard. The inner corners to be reinforced with paper tape and compound.

Level Q3

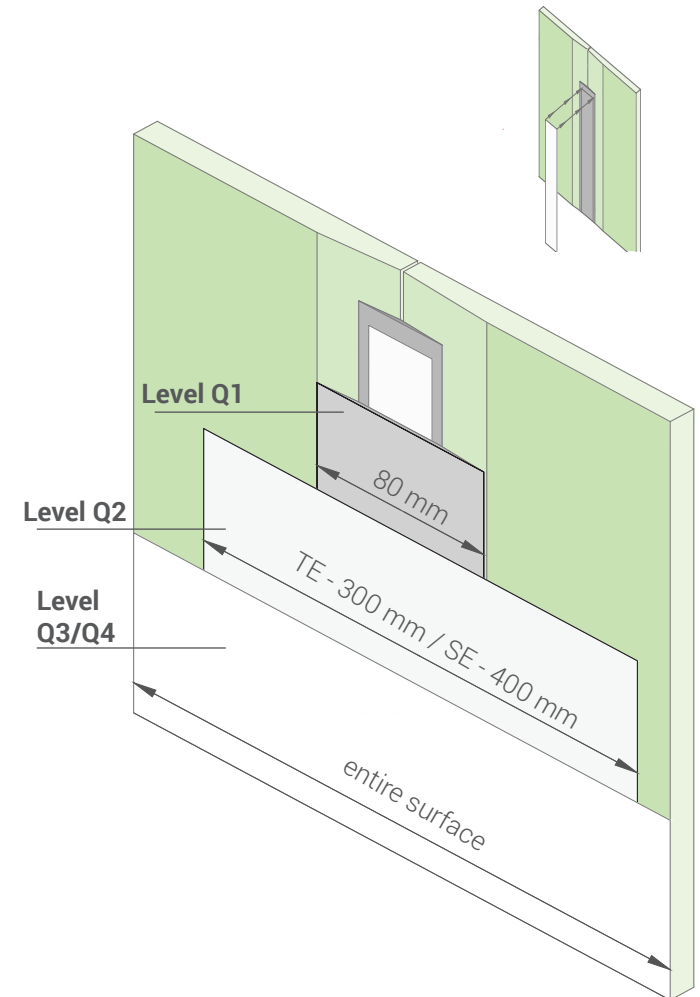
To be able to continue with level Q3 – complete skim coating of the surface, the absolutely necessary requirement is the previous stage, level Q2 to be completely dried (this could take up to 8 hours). With rectilinear moves, holding the drywall trowel under 30°, with rectilinear moves spread a thin layer of the compound. Typically, one or two moves are sufficient to even up all physical ridges and grooves, adding more of the mixture if necessary.

If needed, the surface could be smoothed with fine sandpaper after complete drying of the skim coat.

Level Q4

It is mandatory that the previous layer - level Q2 (Q3) is finished and dry (takes no more than 24 hours). A thin layer (no more than 3 mm) of the compound to be applied over the entire surface of the wall. Then smooth the surface using a skimming spatula.

After the wall is completely dry, all imperfections must be smoothed with fine sandpaper. Using LED floodlight will help you spot them easily.



SHAFT WALLS

Technogips Pro S1-2

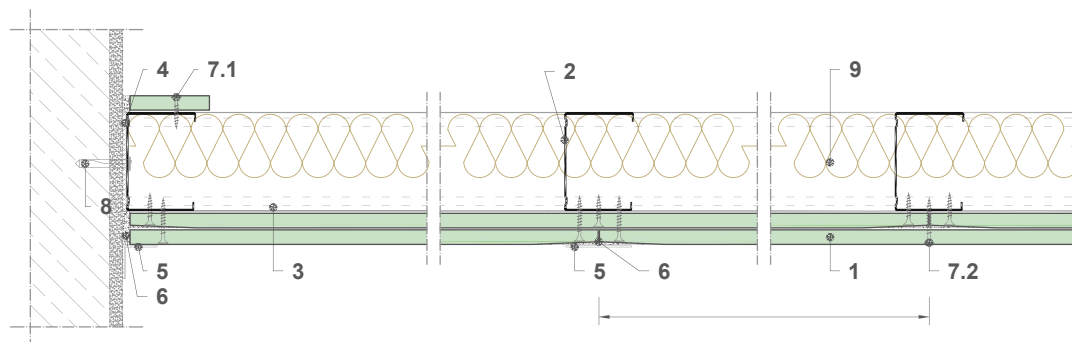



30 **45** **60** **90** **120** **180**


 Wall Self-Weight
up to 31 kg/m²


 Wall Thickness
75 | 100 | 125 | 150 | 175 mm


 Wall Heights
up to 9.50 m



Material consumption* per 1 m²			Stud spacing [mm]		
			600	400	300
1	Technogips Pro Board Type A / H2 / DF / DFH2 / Sound Comfort Extra DF / Titan Board / Blue Board	m²	2.0	2.0	2.0
2	Premium Profile CW 50, 75, 100, 125, 150 / 0.6 mm	m	2.0	3.0	4.0
3	Premium Profile UW 50, 75, 100, 125, 150 / 0.6 mm	m	0.7	0.7	0.7
4	Acoustic foam tape @ the peripheral profiles	m	1.2	1.2	1.2
5	Joint tape** @ all last layers joints + peripheral ones	m	1.5	1.5	1.5
6	Joint filler FUGA&FINISH Light / FUGA for fire protection @ all layers	kg	0.7 / 0.6	0.7 / 0.6	0.7 / 0.6
7.1	Drywall screw 3.5 x 25 mm @ 500 mm	pcs	8.0	9.0	15.0
7.2	Drywall screw 3.5 x 35 mm / @ 250 mm / @ 12.5 mm plasterboards Drywall screw 3.5 x 45 mm / @ 250 mm / @ 15 mm plasterboards	pcs	15.0	23.0	30.0
8	Nail plug @ 500 mm Ceiling anchor for fire protection @ 500 mm	pcs	1.6	1.6	1.6
9	Mineral wool (optional)	m²	1.0	1.0	1.0
	Skim coat SATEN / FUGA&FINISH Light	kg	0.9 / 1.0	0.9 / 1.0	0.9 / 1.0

* The consumption quantities are calculated for a straight wall, without openings and curves, with surface area of 10.8 m² (2.7 m in height and 4.0 m in width), without losses and wastes.

** In case of Fire Protection requirements, it is necessary to apply Joint tape on each layer. The consumption will be 3.0 m` for 1 m²

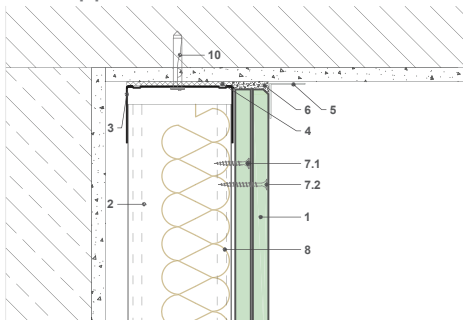
SHAFT WALLS **Technogips Pro S1-2** Independent Single Metal Stud Frame - Double Layer Cladding



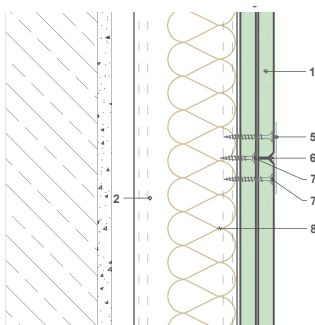
Board		Wall Weight	Wall Thickness	Profile	Fire Protection (without insulation)																		
Type	Thickness			Cavity	EI 0 ³⁾			EI 30			EI 45			EI 60			EI 90			EI 120			
	minimum	without insulation	Profiles Spacing, mm																				
	mm	kg/m²	mm	mm	600	400	300	600	400	300	600	400	300	600	400	300	600	400	300	600	400	300	
Maximum permissible heights depending on the type of lining, m ¹⁾																							
A	2x12.5	21	75	CW 50	2.95	3.60	4.00																
H2	2x12.5	21	75		2.95	3.60	4.00																
DF	2x12.5	24	75		2.95	3.60	4.00																
DFH2	2x12.5	24	75		2.95	3.60	4.00																
Sound Comfort Extra DF	2x12.5	27	75		2.95	3.60	4.00																
Titan Board DFH1IR	2x12.5	29	75		3.35	4.00	4.00	3.35	4.00	4.00	3.35	4.00	4.00	3.35	4.00	4.00							
Blue Board GMFH1IR	2x12.5	28	75		3.35	4.00	4.00	3.35	4.00	4.00	3.35	4.00	4.00	3.35	4.00	4.00							
DF	2x15	29	80		3.10	3.80	4.00	3.10	3.80	4.00	3.10	3.80	4.00	3.10	3.80	4.00							
DFH2	2x15	29	80	3.10	3.80	4.00	3.10	3.80	4.00	3.10	3.80	4.00	3.10	3.80	4.00								
A	2x12.5	21	100	CW 75	4.00	4.00	4.55																
H2	2x12.5	21	100		4.00	4.00	4.55																
DF	2x12.5	24	100		4.00	4.00	4.55																
DFH2	2x12.5	24	100		4.00	4.00	4.55																
Sound Comfort Extra DF	2x12.5	27	100		4.00	4.00	4.55																
Titan Board DFH1IR	2x12.5	29	100		4.00	4.40	4.95	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00							
Blue Board GMFH1IR	2x12.5	28	100		4.00	4.40	4.95	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00							
DF	2x15	29	130		4.00	4.15	4.75	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00							
DFH2	2x15	29	130	4.00	4.15	4.75	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00								
A	2x12.5	21	125	CW 100	4.50	5.40	6.15																
H2	2x12.5	21	125		4.50	5.40	6.15																
DF	2x12.5	24	125		4.50	5.40	6.15																
DFH2	2x12.5	24	125		4.50	5.40	6.15																
Sound Comfort Extra DF	2x12.5	27	125		4.50	5.40	6.15																
Titan Board DFH1IR	2x12.5	29	125		4.95	5.90	6.65	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00							
Blue Board GMFH1IR	2x12.5	28	125		4.95	5.90	6.65	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00							
DF	2x15	29	130		4.65	5.65	6.40	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00							
DFH2	2x15	29	130	4.65	5.65	6.40	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00								
A	2x12.5	23	150	CW 125	5.80	6.95	7.75																
H2	2x12.5	23	150		5.80	6.95	7.75																
DF	2x12.5	26	150		5.80	6.95	7.75																
DFH2	2x12.5	26	150		5.80	6.95	7.75																
Sound Comfort Extra DF	2x12.5	29	150		5.80	6.95	7.75																
Titan Board DFH1IR	2x12.5	31	150		5.80	6.95	7.75	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00							
Blue Board GMFH1IR	2x12.5	30	150		5.80	6.95	7.75	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00							
DF	2x15	31	155		6.00	7.20	8.05	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00							
DFH2	2x15	31	155	6.00	7.20	8.05	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00								
A	2x12.5	23	175	CW 150	7.15	8.40	9.25																
H2	2x12.5	23	175		7.15	8.40	9.25																
DF	2x12.5	26	175		7.15	8.40	9.25																
DFH2	2x12.5	26	175		7.15	8.40	9.25																
Sound Comfort Extra DF	2x12.5	29	175		7.15	8.40	9.25																
Titan Board DFH1IR	2x12.5	31	175		7.15	8.40	9.25	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00							
Blue Board GMFH1IR	2x12.5	30	175		7.15	8.40	9.25	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00							
DF	2x15	31	180		7.40	8.70	9.50	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00							
DFH2	2x15	31	180	7.40	8.70	9.50	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00								

- 1) Permissible heights according to DIN 18 183 and additional cold static calculations.
2) Rw calculation value of sound reduction index of the separating partition walls according to EN ISO 140-3 and EN ISO 717-1 and profiles centred at 600 mm.
The values are achieved with insulation according to EN 13162 and air flow resistance $r > 5 \text{ kPa s/m}^2$.
3) Permissible heights without fire protection

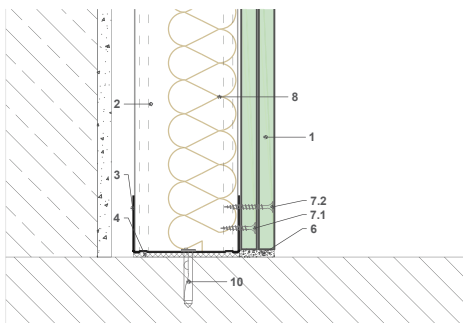
V01 Upper connection to massive element



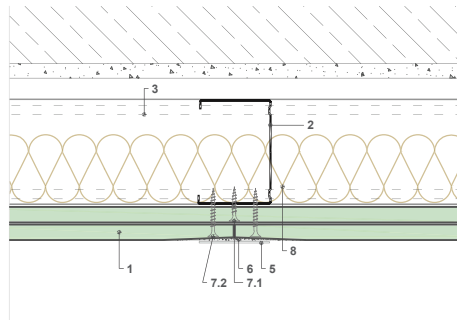
V02 Joint



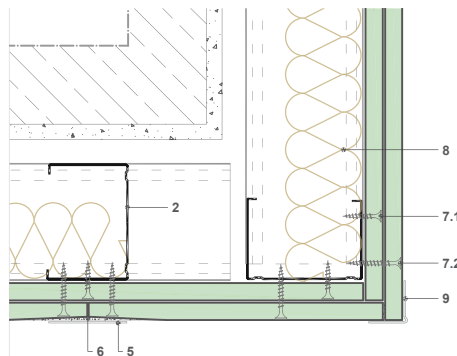
V03 Lower connection to massive floor



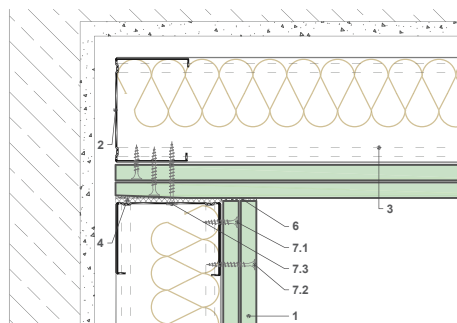
H01 Joint



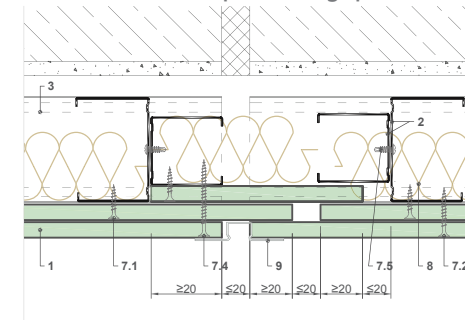
H03.1a Outer corner



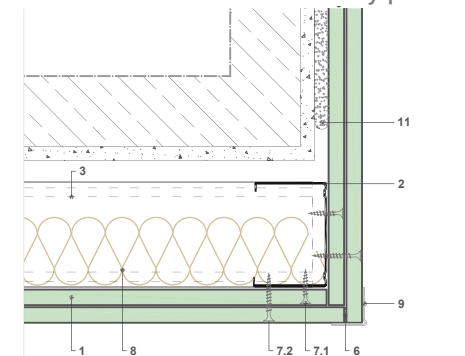
H03.2 Internal corner



H02 Expansion gap



H03.1b Outer corner with dry plaster



SYSTEM COMPONENTS Technogips Pro

1. Technogips Pro Board 12.5 mm

2. Premium Profile CW

3. Premium Profile UW

4. Acoustic foam tape

5. Joint tape

6. Joint filler FUGA

7.1 Drywall screw 3.5 x 25 mm

7.2 Drywall screw 3.5 x 35 mm

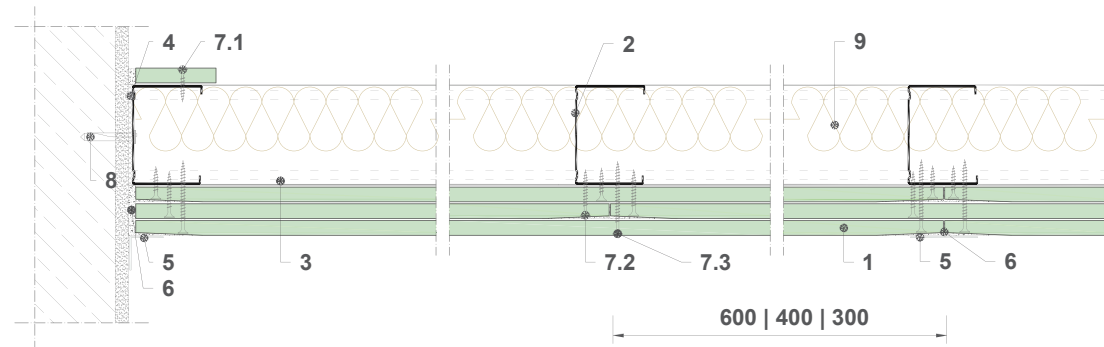
7.3 Self-drilling screw TEX 4.2 x 13 mm

8. Nail plug / Ceiling anchor 6 x 40, 60, 80 mm

9. Mineral wool

SHAFT WALLS

Technogips Pro S1-3



Material consumption* per 1 m ²			Stud spacing [mm]		
			600	400	300
1	Technogips Pro Board Type A / H2 / DF / DFH2 / Sound Comfort Extra DF / Titan Board / Blue Board	m ²	3.0	3.0	3.0
2	Premium Profile CW 50, 75, 100, 125, 150 / 0.6 mm	m	2.0	3.0	4.0
3	Premium Profile UW 50, 75, 100, 125, 150 / 0.6 mm	m	0.7	0.7	0.7
4	Acoustic foam tape @ the peripheral profiles	m	1.2	1.2	1.2
5	Joint tape** @ all last layers joints + peripheral ones	m	1.5	1.5	1.5
6	Joint filler FUGA&FINISH Light / FUGA for fire protection @ all layers	kg	0.5 / 0.9	0.5 / 0.9	0.5 / 0.9
7.1	Drywall screw 3.5 x 25 mm @ 500 mm	pcs	8.0	9.0	15.0
7.2	Drywall screw 3.5 x 35 mm / @ 500 mm / @ 12.5 mm plasterboards Drywall screw 3.5 x 45 mm / @ 500 mm / @ 15 mm plasterboards	pcs	8.0	9.0	15.0
7.4	Drywall screw 3.5 x 55 mm / @ 250 mm / @ 12.5 mm plasterboards Drywall screw 4.2 x 70 mm / @ 250 mm / @ 15 mm plasterboards	pcs	15.0	23.0	30.0
8	Nail plug @ 500 mm Ceiling anchor for fire protection @ 500 mm	pcs	1.6	1.6	1.6
9	Mineral wool (optional)	m ²	1.0	1.0	1.0
	Skim coat SATEN / FUGA&FINISH Light	kg	0.9 / 1.0	0.9 / 1.0	0.9 / 1.0

30 45 60 90 120 180

Wall Self-Weight
 up to **44 kg/m²**

Wall Thickness
95 | 120 | 145 | 170 | 195 mm

Wall Heights
 up to **9.90 m**

* The consumption quantities are calculated for a straight wall, without openings and curves, with surface area of 10.8 m² (2.7 m in height and 4.0 m in width), without losses and wastes.

** При изисквания for огнезащита е нужно да се постави Joint tape на всеки слой. Разходът ще бъде 4.5 m² for 1 m²

SHAFT WALLS Technogips Pro S1-3

Independend Single Metal Stud Frame - Triple Layer Cladding

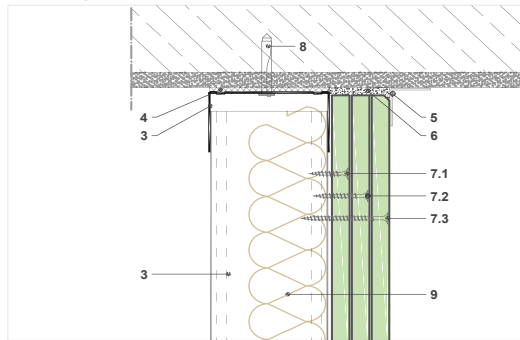
Board		Wall Weight	Wall Thickness	Profile	Fire Protection (without insulation)																		
Type	Thickness			Cavity	EI 0 ³⁾			EI 30			EI 45			EI 60			EI 90			EI 120			
	minimum	without insulation			Profiles Spacing, mm																		
	mm	kg/m²	mm	mm	600	400	300	600	400	300	600	400	300	600	400	300	600	400	300	600	400	300	
Maximum permissible heights depending on the type of lining, m ¹⁾																							
A	3x12.5	30	87.5	CW 50	3.60	3.60	4.00																
H2	3x12.5	30	87.5		3.60	3.60	4.00																
DF	3x12.5	35	87.5		3.60	3.60	4.00																
DFH2	3x12.5	35	87.5		3.60	3.60	4.00																
Sound Comfort Extra DF	3x12.5	39	87.5		3.60	3.60	4.00																
Titan Board DFH1IR	3x12.5	42	87.5		3.60	4.00	4.00																
Blue Board GMFH1IR	3x12.5	41	87.5		3.60	4.00	4.00																
DF	3X15	42	95		3.60	3.80	4.00	3.60	4.00	4.00	3.60	4.00	4.00	3.60	4.00	4.00	3.60	4.00	4.00				
DFH2	3X15	42	95	3.60	3.80	4.00	3.60	4.00	4.00	3.60	4.00	4.00	3.60	4.00	4.00	3.60	4.00	4.00					
A	3x12.5	30	112.5	CW 75	4.00	4.65	5.25																
H2	3x12.5	30	112.5		4.00	4.65	5.25																
DF	3x12.5	35	112.5		4.00	4.65	5.25																
DFH2	3x12.5	35	112.5		4.00	4.65	5.25																
Sound Comfort Extra DF	3x12.5	39	112.5		4.00	4.65	5.25																
Titan Board DFH1IR	3x12.5	42	112.5		4.00	4.65	5.25																
Blue Board GMFH1IR	3x12.5	41	112.5		4.00	4.65	5.25																
DF	3X15	42	120		4.00	4.65	5.25	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00				
DFH2	3X15	42	120	4.00	4.65	5.25	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00					
A	3x12.5	30	137.5	CW 100	5.15	6.15	6.90																
H2	3x12.5	30	137.5		5.15	6.15	6.90																
DF	3x12.5	35	137.5		5.15	6.15	6.90																
DFH2	3x12.5	35	137.5		5.15	6.15	6.90																
Sound Comfort Extra DF	3x12.5	39	137.5		5.15	6.15	6.90																
Titan Board DFH1IR	3x12.5	42	137.5		5.15	6.15	6.90																
Blue Board GMFH1IR	3x12.5	41	137.5		5.15	6.15	6.90																
DF	3X15	42	145		5.15	6.15	6.90	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00				
DFH2	3X15	42	145	5.15	6.15	6.90	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00					
A	3x12.5	32	162.5	CW 125	6.50	7.70	8.55																
H2	3x12.5	32	162.5		6.50	7.70	8.55																
DF	3x12.5	37	162.5		6.50	7.70	8.55																
DFH2	3x12.5	37	162.5		6.50	7.70	8.55																
Sound Comfort Extra DF	3x12.5	41	162.5		6.50	7.70	8.55																
Titan Board DFH1IR	3x12.5	44	162.5		6.50	7.70	8.55																
Blue Board GMFH1IR	3x12.5	43	162.5		6.50	7.70	8.55																
DF	3X15	44	170		6.50	7.70	8.55	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00				
DFH2	3X15	44	170	6.50	7.70	8.55	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00					
A	3x12.5	32	187.5	CW 150	7.90	9.15	9.90																
H2	3x12.5	32	187.5		7.90	9.15	9.90																
DF	3x12.5	37	187.5		7.90	9.15	9.90																
DFH2	3x12.5	37	187.5		7.90	9.15	9.90																
Sound Comfort Extra DF	3x12.5	41	187.5		7.90	9.15	9.90																
Titan Board DFH1IR	3x12.5	44	187.5		7.90	9.15	9.90																
Blue Board GMFH1IR	3x12.5	43	187.5		7.90	9.15	9.90																
DF	3X15	44	195		7.90	9.15	9.90	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00				
DFH2	3X15	44	195	7.90	9.15	9.90	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00					

1) Permissible heights according to DIN 18 183 and additional cold static calculations. It is possible to increase the permissible maximum wall heights by replacing the CW Profiles with reinforced UA Profiles. for more information contact the Technical Department

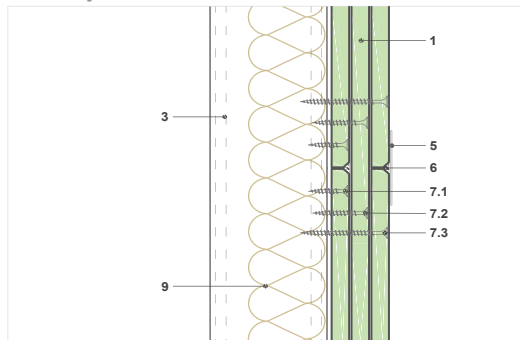
2) Rw calculation value of sound reduction index of the separating partition walls according to EN ISO 140-3 and EN ISO 717-1 and profiles centred at 600 mm. The values are achieved with insulation according to EN 13162 and air flow resistance $r > 5 \text{ kPa s/m}^2$.

3) Permissible heights without fire protection.

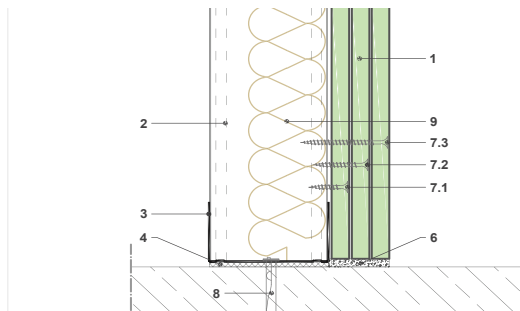
V01 Upper connection to massive element



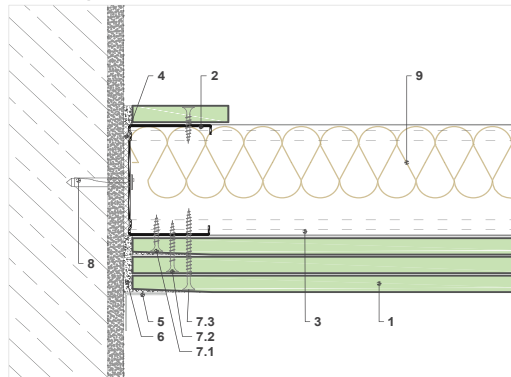
V02 Joint



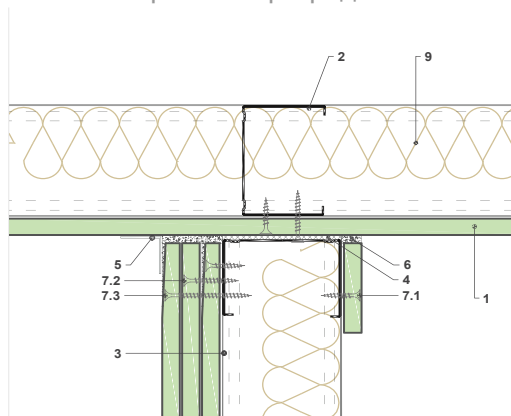
V03 Lower connection to massive floor



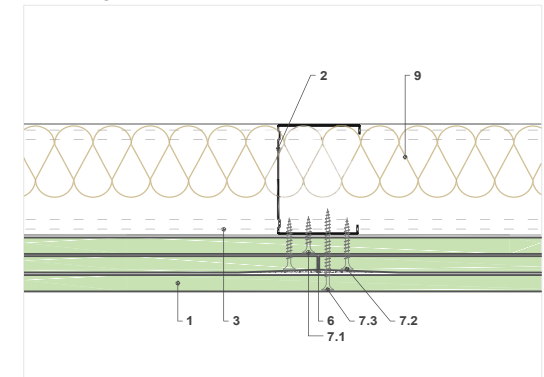
H01 Connection to massive element



H03 T-intersection with partition wall



H02 Joint



SYSTEM COMPONENTS Technogips Pro

1. Technogips Pro Board 12.5 mm	4. Acoustic foam tape	7.1 Drywall screw 3.5 x 25 mm	7.5 Self-drilling screw TEX 4.2 x 13 mm
2. Premium Profile CW	5. Joint tape	7.2 Drywall screw 3.5 x 35 mm	8. Nail plug / Ceiling anchor 6 x 40, 60, 80 mm
3. Premium Profile UW	6. Joint filler FUGA	7.4 Drywall screw 3.5 x 55 mm	9. Mineral wool

SHAFT WALLS

Technogips Pro S1-4

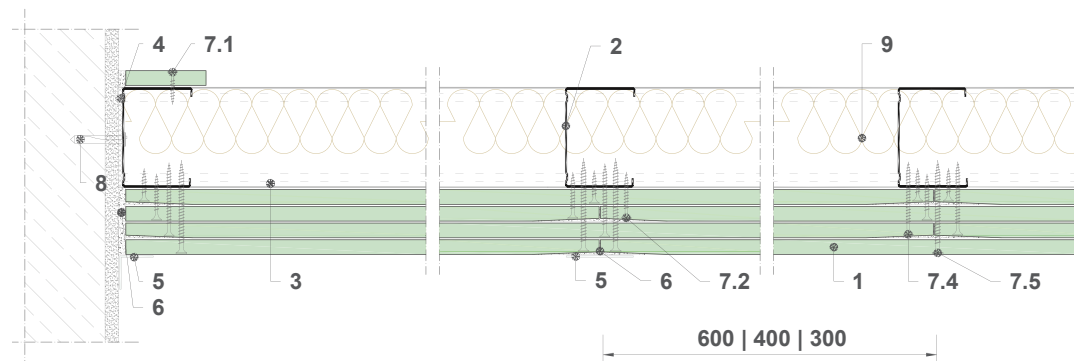



30 45 60 90 120 180


 Wall Self-Weight
 up to **58 kg/m²**


 Wall Thickness
100 | 125 | 150 | 175 | 200 mm


 Wall Heights
 up to **9.90 m**



Material consumption* per 1 m²			Stud spacing [mm]		
			600	400	300
1	Technogips Pro Board Type A / H2 / DF / DFH2 / Sound Comfort Extra DF / Titan Board / Blue Board	m²	4.0	4.0	4.0
2	Premium Profile CW 50, 75, 100, 125, 150 / 0.6 mm	m	2.0	3.0	4.0
3	Premium Profile UW 50, 75, 100, 125, 150 / 0.6 mm	m	0.7	0.7	0.7
4	Acoustic foam tape @ the peripheral profiles	m	1.2	1.2	1.2
5	Joint tape** @ all last layers joints + peripheral ones	m	1.5	1.5	1.5
6	Joint filler FUGA&FINISH Light / FUGA for fire protection @ all layers	kg	1.4 / 1.2	1.4 / 1.2	1.4 / 1.2
7.1	Drywall screw 3.5 x 25 mm @ 500 mm	pcs	8.0	9.0	15.0
7.2	Drywall screw 3.5 x 35 mm / @ 500 mm / @ 12.5 mm plasterboards Drywall screw 3.5 x 45 mm / @ 500 mm / @ 15 mm plasterboards	pcs	8.0	9.0	15.0
7.4	Drywall screw 3.5 x 55 mm / @ 500 mm / @ 12.5 mm plasterboards Drywall screw 4.2 x 70 mm / @ 500 mm / @ 15 mm plasterboards	pcs	8.0	9.0	15.0
7.5	Drywall screw 4.2 x 70 mm / @ 250 mm	pcs	15.0	23.0	30.0
8	Nail plug @ 500 mm Ceiling anchor for fire protection @ 500 mm	pcs	1.6	1.6	1.6
9	Mineral wool (optional)	m²	1.0	1.0	1.0
	Skim coat SATEN / FUGA&FINISH Light	kg	0.9 / 1.0	0.9 / 1.0	0.9 / 1.0

* The consumption quantities are calculated for a straight wall, without openings and curves, with surface area of 10.8 m² (2.7 m in height and 4.0 m in width), without losses and wastes.

** In case of Fire Protection requirements, it is necessary to apply Joint tape on each layer. The consumption will be 6.0 m for 1 m²

SHAFT WALLS **Technogips Pro S1-4** Independent Single Metal Stud Frame - Quadruple Layer Cladding



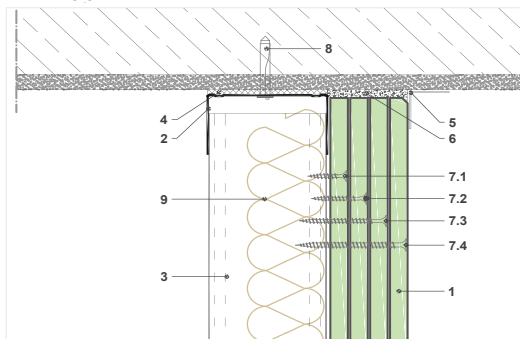
Board		Wall Weight	Wall Thickness	Profile	Fire Protection (without insulation)												
Type	Thickness			Cavity	EI 0 ³⁾			EI 30		EI 45		EI 60		EI 90		EI 120	
	minimum				without insulation	Profiles Spacing, mm											
	mm	kg/m²	mm	mm	600	400	300	400	300	400	300	400	300	400	300	400	300
Maximum permissible heights depending on the type of lining, m ¹⁾																	
A	4x12.5	40	100	CW 50	3.60	4.00	4.00										
H2	4x12.5	40	100		3.60	4.00	4.00										
DF	4x12.5	46	100		3.60	4.00	4.00										
DFH2	4x12.5	46	100		3.60	4.00	4.00										
Sound Comfort Extra DF	4x12.5	52	100		3.60	4.00	4.00										
Titan Board DFH1IR	4x12.5	56	100		3.60	4.00	4.00										
Blue Board GMFH1IR	4x12.5	54	100		3.60	4.00	4.00										
DF	4x15	56	110		3.60	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
DFH2	4x15	56	110		3.60	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
A	4x12.5	40	125	CW 75	4.00	4.65	5.25										
H2	4x12.5	40	125		4.00	4.65	5.25										
DF	4x12.5	46	125		4.00	4.65	5.25										
DFH2	4x12.5	46	125		4.00	4.65	5.25										
Sound Comfort Extra DF	4x12.5	52	125		4.00	4.65	5.25										
Titan Board DFH1IR	4x12.5	56	125		4.00	4.65	5.25										
Blue Board GMFH1IR	4x12.5	54	125		4.00	4.65	5.25										
DF	4x15	56	135		4.00	4.65	5.25	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
DFH2	4x15	56	135		4.00	4.65	5.25	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
A	4x12.5	40	150	CW 100	5.15	6.15	6.90										
H2	4x12.5	40	150		5.15	6.15	6.90										
DF	4x12.5	46	150		5.15	6.15	6.90										
DFH2	4x12.5	46	150		5.15	6.15	6.90										
Sound Comfort Extra DF	4x12.5	52	150		5.15	6.15	6.90										
Titan Board DFH1IR	4x12.5	56	150		5.15	6.15	6.90										
Blue Board GMFH1IR	4x12.5	54	150		5.15	6.15	6.90										
DF	4x15	56	160		5.15	6.15	6.90	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
DFH2	4x15	56	160		5.15	6.15	6.90	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
A	4x12.5	42	175	CW 125	6.50	7.70	8.55										
H2	4x12.5	42	175		6.50	7.70	8.55										
DF	4x12.5	48	175		6.50	7.70	8.55										
DFH2	4x12.5	48	175		6.50	7.70	8.55										
Sound Comfort Extra DF	4x12.5	54	175		6.50	7.70	8.55										
Titan Board DFH1IR	4x12.5	58	175		6.50	7.70	8.55										
Blue Board GMFH1IR	4x12.5	56	175		6.50	7.70	8.55										
DF	4x15	58	185		6.50	7.70	8.55	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
DFH2	4x15	58	185		6.50	7.70	8.55	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
A	4x12.5	42	200	CW 150	7.90	9.15	9.90										
H2	4x12.5	42	200		7.90	9.15	9.90										
DF	4x12.5	48	200		7.90	9.15	9.90										
DFH2	4x12.5	48	200		7.90	9.15	9.90										
Sound Comfort Extra DF	4x12.5	54	200		7.90	9.15	9.90										
Titan Board DFH1IR	4x12.5	58	200		7.90	9.15	9.90										
Blue Board GMFH1IR	4x12.5	56	200		7.90	9.15	9.90										
DF	4x15	58	210		7.90	9.15	9.90	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
DFH2	4x15	58	210		7.90	9.15	9.90	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00

1) Permissible heights according to DIN 18 183 and additional cold static calculations. It is possible to increase the permissible maximum wall heights by replacing the CW Profiles with reinforced UA Profiles. for more information contact the Technical Department

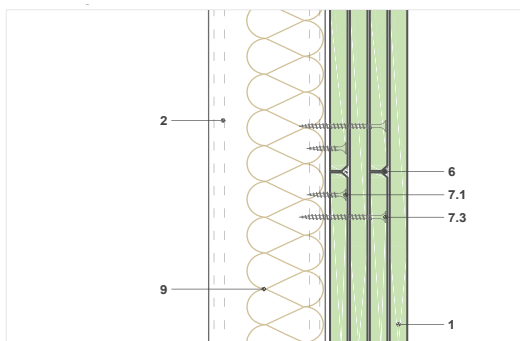
2) Rw calculation value of sound reduction index of the separating partition walls according to EN ISO 140-3 and EN ISO 717-1 and profiles centred at 600 mm. The values are achieved with insulation according to EN 13162 and air flow resistance $r > 5 \text{ kPa s/m}^2$.

3) Permissible heights without fire protection.

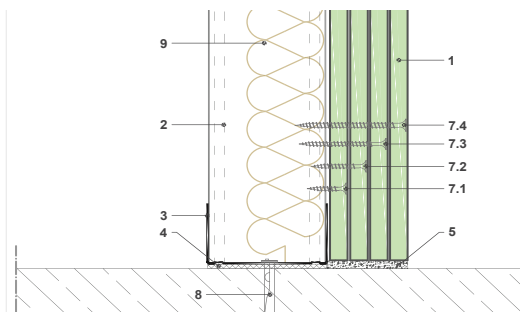
V01 Upper connection to massive element



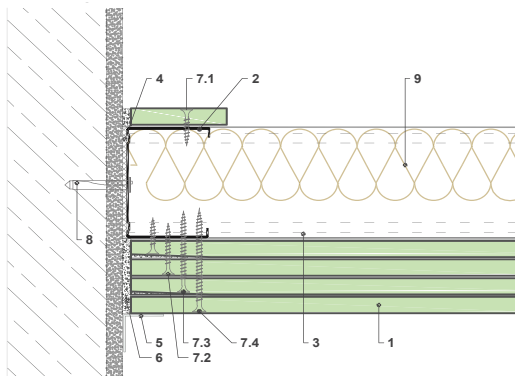
V02 Joint



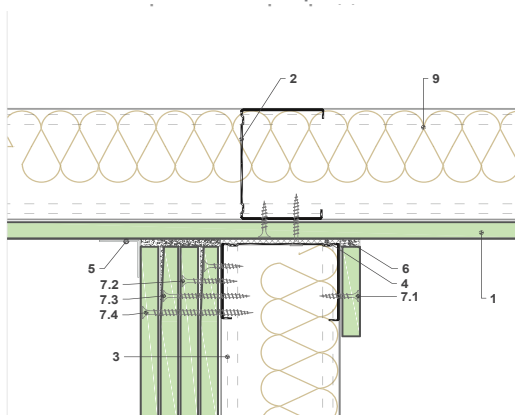
V03 Lower connection to massive floor



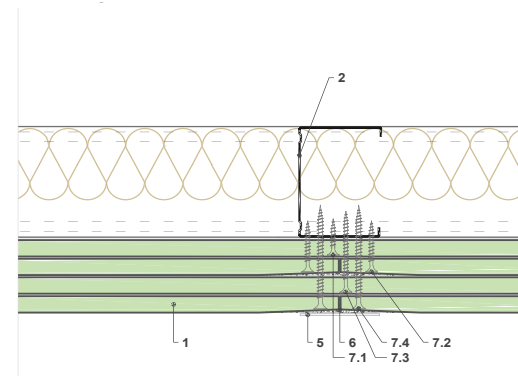
H01 Connection to massive element



H03 T-intersection with partition wall



H02 Joint

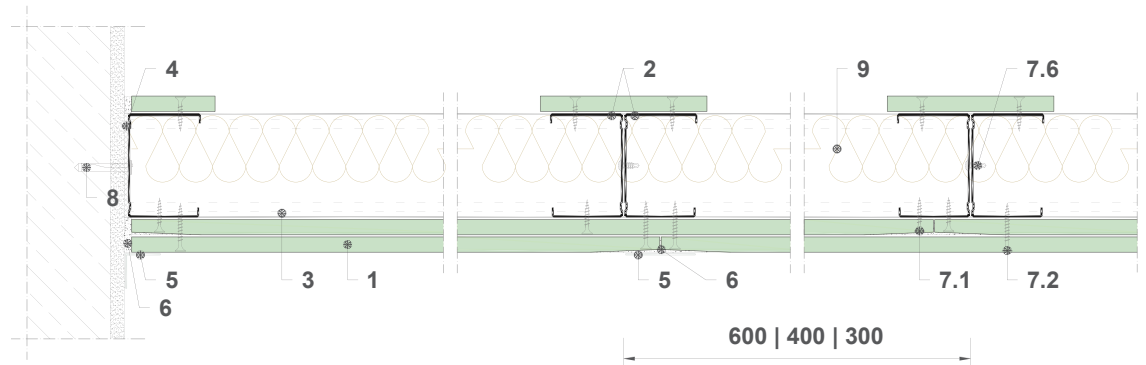


SYSTEM COMPONENTS Technogips Pro

1. Technogips Pro Board 12,5 mm	5. Joint tape	7.3 Drywall screw 3.5 x 55 mm
2. Premium Profile CW	6. Joint filler FUGA	7.4 Drywall screw 4.2 x 70 mm
3. Premium Profile UW	7.1 Drywall screw 3.5 x 25 mm	8. Nail plug / Ceiling anchor 6 x 40, 60, 80 mm
4. Acoustic foam tape	7.2 Drywall screw 3.5 x 35 mm	9. Mineral wool

SHAFT WALLS

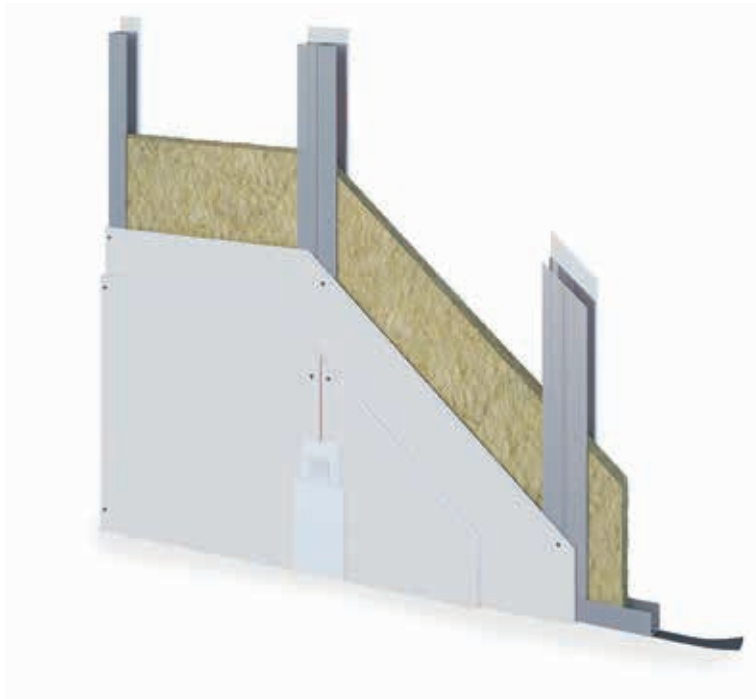
Technogips Pro S2-2



Material consumption* per 1 m ²			Stud spacing [mm]	
			600	300
1	Technogips Pro Board Type A / H2 / DF / DFH2 / Sound Comfort Extra DF / Titan Board / Blue Board	m ²	2.3	2.5
2	Premium Profile CW 50, 75, 100, 125, 150 / 0.6 mm	m	4.0	8.0
3	Premium Profile UW 50, 75, 100, 125, 150 / 0.6 mm	m	0.7	0.7
4	Acoustic foam tape @ the peripheral profiles	m	1.2	1.2
5	Joint tape** @ all last layers joints + peripheral ones	m	1.5	1.5
6	Joint filler FUGA&FINISH Light / FUGA for fire protection @ all layers	kg	0.7 / 0.6	0.7 / 0.6
7.1	Drywall screw 3.5 x 25 mm @ 500 mm	pcs	8.0	15.0
7.2	Drywall screw 3.5 x 35 mm / @ 250 mm / @ 12.5 mm plasterboards Drywall screw 3.5 x 45 mm / @ 250 mm / @ 15 mm plasterboards	pcs	15.0	30.0
7.6	Self-drilling screw TEX 4.2 x 13 mm / @ 500 mm	pcs	4.0	8.0
8	Nail plug @ 500 mm Ceiling anchor for fire protection @ 500 mm	pcs	1.6	1.6
9	Mineral wool (optional)	m ²	1.0	1.0
	Skim coat SATEN / FUGA&FINISH Light	kg	0.9 / 0.5	0.9 / 0.5

* The consumption quantities are calculated for a straight wall, without openings and curves, with surface area of 10.8 m² (2.7 m in height and 4.0 m in width), without losses and wastes.

** In case of Fire Protection requirements, it is necessary to apply Joint tape on each layer. The consumption will be 3.0 m² for 1 m²



30 45 60 90 120 180



Wall Self-Weight
 up to **31 kg/m²**



Wall Thickness
75 | 100 | 125 | 150 | 175 mm



Wall Heights
 up to **11.35 m**

SHAFT WALLS Technogips Pro S2-2

Independend Metal Stud Frame with Paired Profiles - Double Layer Cladding

Board		Wall Weight	Wall Thickness	Profile	Fire Protection (without insulation)											
Type	Thickness			Cavity	EI 0 ³⁾		EI 30		EI 45		EI 60		EI 90		EI 120	
	minimum				without insulation	Profiles Spacing, mm										
	mm	kg/m²	mm	mm	600	300	600	300	600	300	600	300	600	300	600	300
Maximum permissible heights depending on the type of lining, m ¹⁾																
A	2x12.5	21	75	CW 50	4.00	4.05										
H2	2x12.5	21	75		4.00	4.05										
DF	2x12.5	24	75		4.00	4.05	4.00*	4.00*	4.00*	4.00*						
DFH2	2x12.5	24	75		4.00	4.05	4.00*	4.00*	4.00*	4.00*						
Sound Comfort Extra DF	2x12.5	27	75		4.00	4.05	4.00*	4.00*	4.00*	4.00*						
Titan Board DFH1IR	2x12.5	29	75		4.00	4.05	4.00*	4.00*	4.00*	4.00*						
Blue Board GMFH1IR	2x12.5	28	75		4.00	4.05	4.00*	4.00*	4.00*	4.00*						
DF	2x15	29	80		4.00	4.30	4.00*	4.00*	4.00*	4.00*						
DFH2	2x15	29	80		4.00	4.30	4.00*	4.00*	4.00*	4.00*						
A	2x12.5	21	100	CW 75	4.55	6.00										
H2	2x12.5	21	100		4.55	6.00										
DF	2x12.5	24	100		4.55	6.00	4.00*	4.00*	4.00*	4.00*						
DFH2	2x12.5	24	100		4.55	6.00	4.00*	4.00*	4.00*	4.00*						
Sound Comfort Extra DF	2x12.5	27	100		4.55	6.00	4.00*	4.00*	4.00*	4.00*						
Titan Board DFH1IR	2x12.5	29	100		4.55	6.00	4.00*	4.00*	4.00*	4.00*						
Blue Board GMFH1IR	2x12.5	28	100		4.55	6.00	4.00*	4.00*	4.00*	4.00*						
DF	2x15	29	105		4.75	6.30	4.00*	4.00*	4.00*	4.00*						
DFH2	2x15	29	105		4.75	6.30	4.00*	4.00*	4.00*	4.00*						
A	2x12.5	21	125	CW 100	6.15	8.00										
H2	2x12.5	21	125		6.15	8.00										
DF	2x12.5	24	125		6.15	8.00	4.00*	4.00*	4.00*	4.00*						
DFH2	2x12.5	24	125		6.15	8.00	4.00*	4.00*	4.00*	4.00*						
Sound Comfort Extra DF	2x12.5	27	125		6.15	8.00	4.00*	4.00*	4.00*	4.00*						
Titan Board DFH1IR	2x12.5	29	125		6.15	8.00	4.00*	4.00*	4.00*	4.00*						
Blue Board GMFH1IR	2x12.5	28	125		6.15	8.00	4.00*	4.00*	4.00*	4.00*						
DF	2x15	29	130		6.40	8.30	4.00*	4.00*	4.00*	4.00*						
DFH2	2x15	29	130		6.40	8.30	4.00*	4.00*	4.00*	4.00*						
A	2x12.5	23	150	CW 125	7.75	9.70										
H2	2x12.5	23	150		7.75	9.70										
DF	2x12.5	26	150		7.75	9.70	4.00*	4.00*	4.00*	4.00*						
DFH2	2x12.5	26	150		7.75	9.70	4.00*	4.00*	4.00*	4.00*						
Sound Comfort Extra DF	2x12.5	29	150		7.75	9.70	4.00*	4.00*	4.00*	4.00*						
Titan Board DFH1IR	2x12.5	31	150		7.75	9.70	4.00*	4.00*	4.00*	4.00*						
Blue Board GMFH1IR	2x12.5	30	150		7.75	9.70	4.00*	4.00*	4.00*	4.00*						
DF	2x15	31	155		8.05	9.95	4.00*	4.00*	4.00*	4.00*						
DFH2	2x15	31	155		8.05	9.95	4.00*	4.00*	4.00*	4.00*						
A	2x12.5	23	175	CW 150	9.25	11.10										
H2	2x12.5	23	175		9.25	11.10										
DF	2x12.5	26	175		9.25	11.10	4.00*	4.00*	4.00*	4.00*						
DFH2	2x12.5	26	175		9.25	11.10	4.00*	4.00*	4.00*	4.00*						
Sound Comfort Extra DF	2x12.5	29	175		9.25	11.10	4.00*	4.00*	4.00*	4.00*						
Titan Board DFH1IR	2x12.5	31	175		9.25	11.10	4.00*	4.00*	4.00*	4.00*						
Blue Board GMFH1IR	2x12.5	30	175		9.25	11.10	4.00*	4.00*	4.00*	4.00*						
DF	2x15	31	180		9.50	11.35	4.00*	4.00*	4.00*	4.00*						
DFH2	2x15	31	180		9.50	11.35	4.00*	4.00*	4.00*	4.00*						

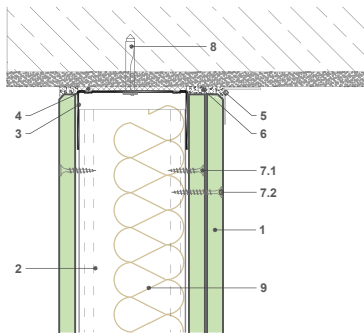
* Insulation needed to achieve the given permissible heights - thickness min 50 mm and density min 40 kg/m³, according to EN 13162

1) Permissible heights according to DIN 18 183 and additional cold static calculations.

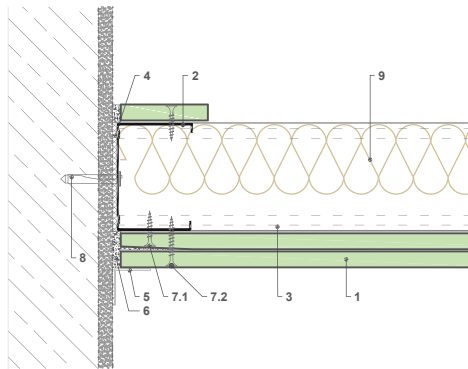
2) Rw calculation value of sound reduction index of the separating partition walls according to EN ISO 140-3 and EN ISO 717-1 and profiles centred at 600 mm. The values are achieved with insulation according to EN 13162 and air flow resistance $r > 5 \text{ kPa s/m}^2$.

3) Permissible heights without fire protection

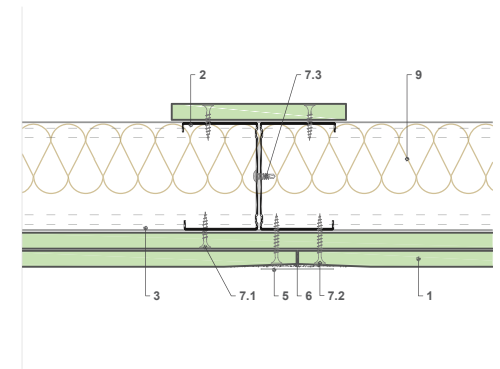
V01 Upper connection to massive element



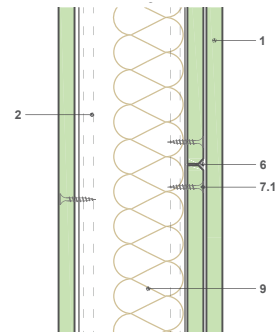
H01 Connection to massive element



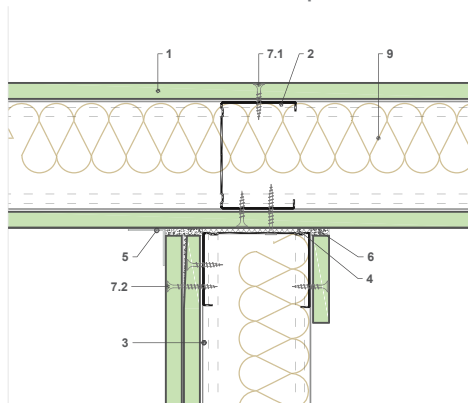
H02 Joint



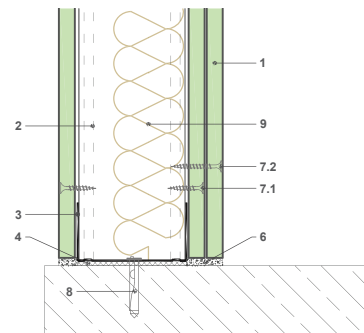
V02 Joint



H03 T-intersection with partition wall



V03 Lower connection to massive floor



SYSTEM COMPONENTS Technogips Pro

1. Technogips Pro Board 12.5 mm	4. Acoustic foam tape	7.1 Drywall screw 3.5 x 25 mm	8. Nail plug / Ceiling anchor 6 x 40, 60, 80 mm
2. Premium Profile CW	5. Joint tape	7.2 Drywall screw 3.5 x 35 mm	9. Mineral wool
3. Premium Profile UW	6. Joint filler FUGA	7.3 Self-drilling screw TEX 4.2 x 13 mm	

SHAFT WALLS

Technogips Pro S2-3

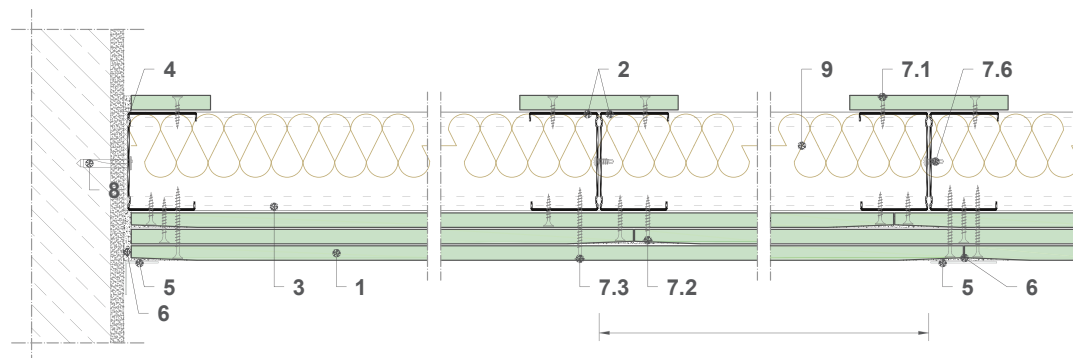



30 45 60 90 120 180


 Wall Self-Weight
 up to **45 kg/m²**


 Wall Thickness
87.5 | 112.5 | 137.5 | 162.5 | 187.5 mm


 Wall Heights
 up to **11.75 m**



Material consumption* per 1 m²			Stud spacing [mm]	
			600	300
1	Technogips Pro Board Type A / H2 / DF / DFH2 / Sound Comfort Extra DF / Titan Board / Blue Board	m²	3.3	3.5
2	Premium Profile CW 50, 75, 100, 125, 150 / 0.6 mm	m	4.0	8.0
3	Premium Profile UW 50, 75, 100, 125, 150 / 0.6 mm	m	0.7	0.7
4	Acoustic foam tape @ the peripheral profiles	m	1.2	1.2
5	Joint tape** @ all last layers joints + peripheral ones	m	1.5	1.5
6	Joint filler FUGA&FINISH Light / FUGA for fire protection @ all layers	kg	1.1 / 0.9	1.1 / 0.9
7.1	Drywall screw 3.5 x 25 mm @ 500 mm	pcs	8.0	15.0
7.2	Drywall screw 3.5 x 35 mm / @ 500 mm / @ 12.5 mm plasterboards Drywall screw 3.5 x 45 mm / @ 500 mm / @ 15 mm plasterboards	pcs	8.0	15.0
7.4	Drywall screw 3.5 x 55 mm / @ 250 mm / @ 12.5 mm plasterboards Drywall screw 4.2 x 70 mm / @ 250 mm / @ 15 mm plasterboards	pcs	15.0	30.0
7.6	Self-drilling screw TEX 4.2 x 13 mm / @ 500 mm	pcs	4.0	8.0
8	Nail plug @ 500 mm Ceiling anchor for fire protection @ 500 mm	pcs	1.6	1.6
9	Mineral wool (optional)	m²	1.0	1.0
	Skim coat SATEN / FUGA&FINISH Light	kg	0.9 / 0.5	0.9 / 0.5

* The consumption quantities are calculated for a straight wall, without openings and curves, with surface area of 10.8 m² (2.7 m in height and 4.0 m in width), without losses and wastes.

** In case of Fire Protection requirements, it is necessary to apply Joint tape on each layer. The consumption will be 4.5 m` for 1 m²

SHAFT WALLS **Technogips Pro S2-3** Independent Metal Stud Frame with Paired Profiles - Triple Layer Cladding



Board		Wall Weight	Wall Thickness	Profile	Fire Protection (without insulation)											
Type	Thickness			Cavity	EI 0 ³⁾		EI 30		EI 45		EI 60		EI 90		EI 120	
	minimum	without insulation	Profiles Spacing, mm													
	mm	kg/m²	mm	mm	600	300	600	300	600	300	600	300	600	300	600	300
Maximum permissible heights depending on the type of lining, m ¹⁾																
A	3x12.5	32	87.5	CW 50	4.00	4.80										
H2	3x12.5	32	87.5		4.00	4.80										
DF	3x12.5	36	87.5		4.00	4.80										
DFH2	3x12.5	36	87.5		4.00	4.80										
Sound Comfort Extra DF	3x12.5	40	87.5		4.00	4.80										
Titan Board DFH1IR	3x12.5	43	87.5		4.00	4.80										
Blue Board GMFH1IR	3x12.5	42	87.5		4.00	4.80										
DF + DF **	2x12.5 + 15	38	90		4.00	4.80	4.00*	4.00*	4.00*	4.00*	4.00*	4.00*	4.00*	4.00*		
DF	3x15	43	95		4.00	4.80	4.00*	4.00*	4.00*	4.00*	4.00*	4.00*	4.00*	4.00*		
DFH2	3x15	43	95	4.00	4.80	4.00*	4.00*	4.00*	4.00*	4.00*	4.00*	4.00*	4.00*			
A	3x12.5	32	112.5	CW 75	5.25	6.80										
H2	3x12.5	32	112.5		5.25	6.80										
DF	3x12.5	36	112.5		5.25	6.80										
DFH2	3x12.5	36	112.5		5.25	6.80										
Sound Comfort Extra DF	3x12.5	40	112.5		5.25	6.80										
Titan Board DFH1IR	3x12.5	43	112.5		5.25	6.80										
Blue Board GMFH1IR	3x12.5	42	112.5		5.25	6.80										
DF + DF **	2x12.5 + 15	39	115		5.25	6.80	4.00*	4.00*	4.00*	4.00*	4.00*	4.00*	4.00*	4.00*		
DF	3x15	43	120		5.25	6.80	4.00*	4.00*	4.00*	4.00*	4.00*	4.00*	4.00*	4.00*		
DFH2	3x15	43	120	5.25	6.80	4.00*	4.00*	4.00*	4.00*	4.00*	4.00*	4.00*	4.00*			
A	3x12.5	32	137.5	CW 100	6.90	8.80										
H2	3x12.5	32	137.5		6.90	8.80										
DF	3x12.5	36	137.5		6.90	8.80										
DFH2	3x12.5	36	137.5		6.90	8.80										
Sound Comfort Extra DF	3x12.5	40	137.5		6.90	8.80										
Titan Board DFH1IR	3x12.5	43	137.5		6.90	8.80										
Blue Board GMFH1IR	3x12.5	42	137.5		6.90	8.80										
DF + DF **	2x12.5 + 15	39	140		6.90	8.80	4.00*	4.00*	4.00*	4.00*	4.00*	4.00*	4.00*	4.00*		
DF	3x15	43	145		6.90	8.80	4.00*	4.00*	4.00*	4.00*	4.00*	4.00*	4.00*	4.00*		
DFH2	3x15	43	145	6.90	8.80	4.00*	4.00*	4.00*	4.00*	4.00*	4.00*	4.00*	4.00*			
A	3x12.5	34	162.5	CW 125	8.55	10.30										
H2	3x12.5	34	162.5		8.55	10.30										
DF	3x12.5	38	162.5		8.55	10.30										
DFH2	3x12.5	38	162.5		8.55	10.30										
Sound Comfort Extra DF	3x12.5	42	162.5		8.55	10.30										
Titan Board DFH1IR	3x12.5	45	162.5		8.55	10.30										
Blue Board GMFH1IR	3x12.5	44	162.5		8.55	10.30										
DF + DF **	2x12.5 + 15	39	165		8.55	10.30	4.00*	4.00*	4.00*	4.00*	4.00*	4.00*	4.00*	4.00*		
DF	3x15	45	170		8.55	10.30	4.00*	4.00*	4.00*	4.00*	4.00*	4.00*	4.00*	4.00*		
DFH2	3x15	45	170	8.55	10.30	4.00*	4.00*	4.00*	4.00*	4.00*	4.00*	4.00*	4.00*			
A	3x12.5	34	187.5	CW 150	9.90	11.75										
H2	3x12.5	34	187.5		9.90	11.75										
DF	3x12.5	38	187.5		9.90	11.75										
DFH2	3x12.5	38	187.5		9.90	11.75										
Sound Comfort Extra DF	3x12.5	42	187.5		9.90	11.75										
Titan Board DFH1IR	3x12.5	45	187.5		9.90	11.75										
Blue Board GMFH1IR	3x12.5	44	187.5		9.90	11.75										
DF + DF **	2x12.5 + 15	39	190		9.90	11.75	4.00*	4.00*	4.00*	4.00*	4.00*	4.00*	4.00*	4.00*		
DF	3x15	45	195		9.90	11.75	4.00*	4.00*	4.00*	4.00*	4.00*	4.00*	4.00*	4.00*		
DFH2	3x15	45	195	9.90	11.75	4.00*	4.00*	4.00*	4.00*	4.00*	4.00*	4.00*	4.00*			

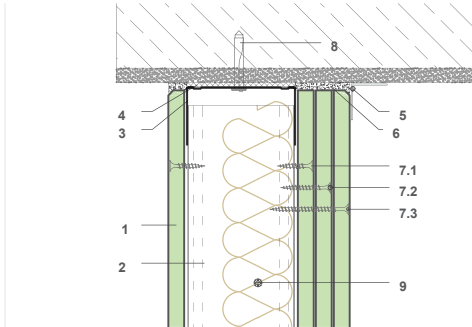
* Insulation needed to achieve the given permissible heights - thickness min 50 mm and density min 40 kg/m³, according to EN 13162

1) Permissible heights according to DIN 18 183 and additional cold static calculations.

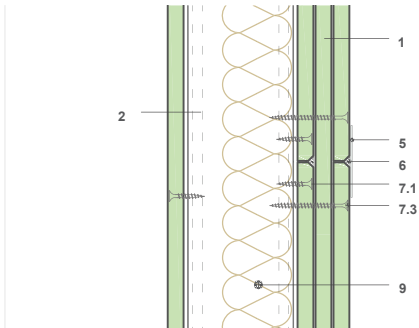
2) Rw calculation value of sound reduction index of the separating partition walls according to EN ISO 140-3 and EN ISO 717-1 and profiles centred at 600 mm. The values are achieved with insulation according to EN 13162 and air flow resistance $r > 5 \text{ kPa s/m}^2$.

3) Permissible heights without fire protection

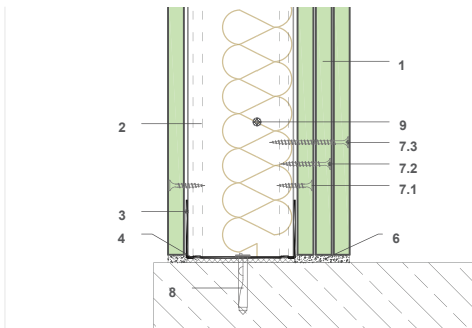
V01 Upper connection to massive element



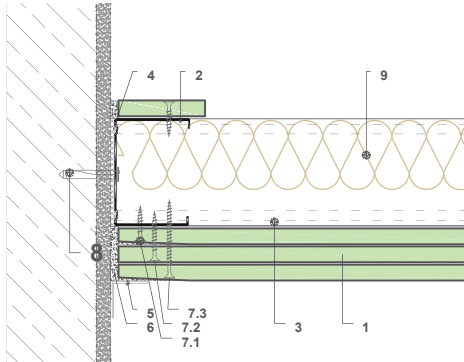
V02 Joint



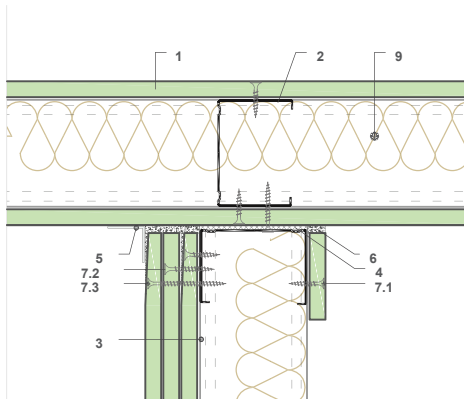
V03 Lower connection to massive floor



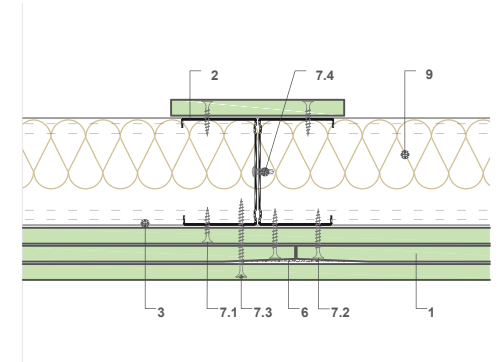
H01 Connection to massive element



H03 T-intersection with partition wall



H02 Joint



SYSTEM COMPONENTS Technogips Pro

1. Technogips Pro Board 12.5 mm

4. Acoustic foam tape

7.1 Drywall screw 3.5 x 25 mm

7.4 Self-drilling screw TEX 4.2 x 13 mm

2. Premium Profile CW

5. Joint tape

7.2 Drywall screw 3.5 x 35 mm

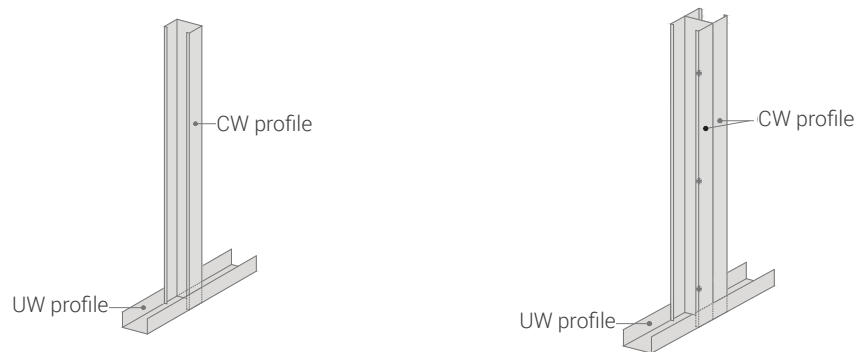
8. Nail plug / Ceiling anchor 6 x 40, 60, 80 mm

3. Premium Profile UW

6. Joint filler FUGA

7.2 Drywall screw 3.5 x 55 mm

9. Mineral wool



S 1-2 / S 1-3 / S 1-4

S 2-2 / S 2-3

CW 50	UW 50
CW 75	UW 75
CW 100	UW 100
CW 125	UW 125
CW 150	UW 150

Movement or Expansion Control Joints

Form Expansion gap detail in the case of shaft wall exceeding approx. 10 m in length.
Form the same detail where the shaft wall cross a movement joint in the main structure.

Fixing of the peripheral profiles to the surrounding structure:

Marking the desired position of the partition wall on the floor and walls using a laser level or a chalk line. The back side of the peripheral horizontal UW profiles and the end vertical CW profiles which are in direct contact with the surrounding structures need to be insulated with an Acoustic foam tape for better sound insulation. The width of the Acoustic foam tape is based on the width of the profile used. In accordance with the prepared marking, the peripheral profiles are fixed using suitable dowels at 50 mm from the beginning of the profile and over 500 mm in its middle part, but not less than 3 fasteners per profile.

Installation of vertical CW profiles:

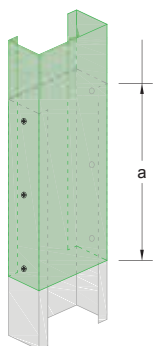
The vertical CW profiles of the metal structure are mounted between the upper and the lower horizontal profiles, with the required stud spacing of the profiles depending on the height of the of the room. The stud spacing of the vertical profiles can be 600, 400 or 300 mm. The height of the vertical profiles to be shorter than 10 mm than floor to ceiling height. For subsequent ceramic coatings, the vertical profiles need to be mounted at a 400 mm stud spacing or the lining should be of at least two layers of plasterboard.

Vertical extension of profiles

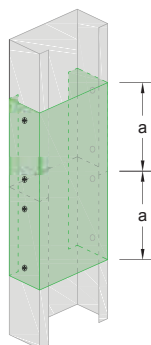
The profile extensions should alternate at the bottom and upper end of the wall.

Wall height ≤ 4 m

Without additional profile

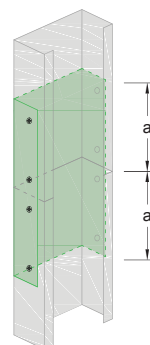


With additional CW profile



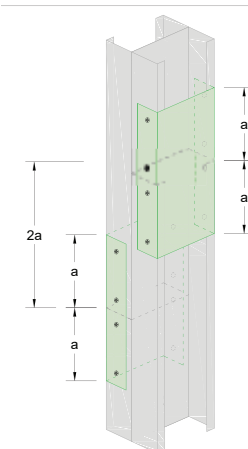
Wall height > 4 m

With additional UW profile



Wall height > 5 m

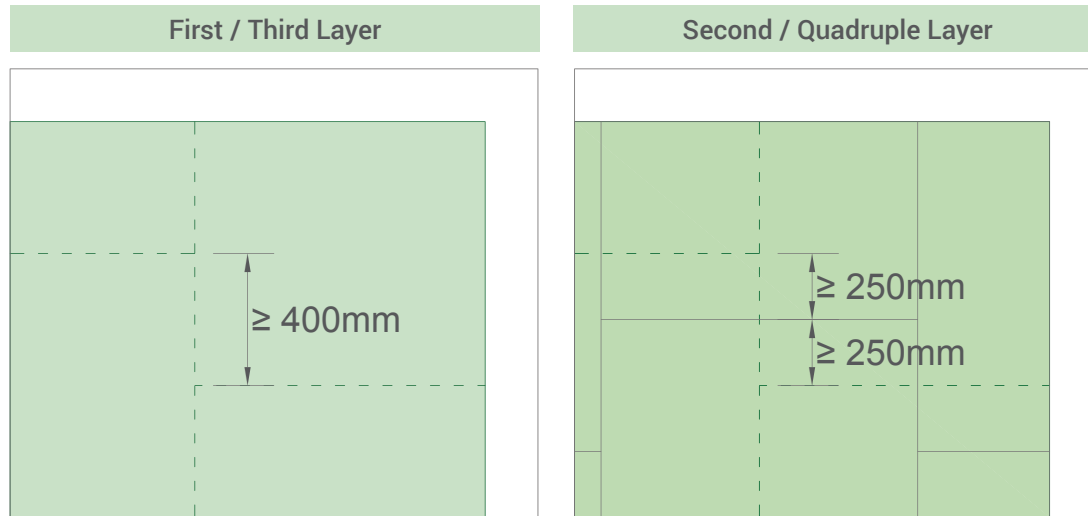
With additional UW profile



Profile type	Overlap - a
CW 50	≥ 500 mm
CW 75	≥ 750 mm
CW 100	≥ 1000 mm
CW 125	≥ 1000 mm
CW 150	≥ 1000 mm

Fixing the additional profile with Self-drilling screw TEX 4.2x13 at least on 4 spots on each side, according to scheme.

CLADDING PATTERN



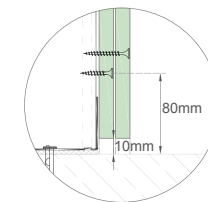
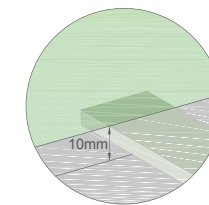
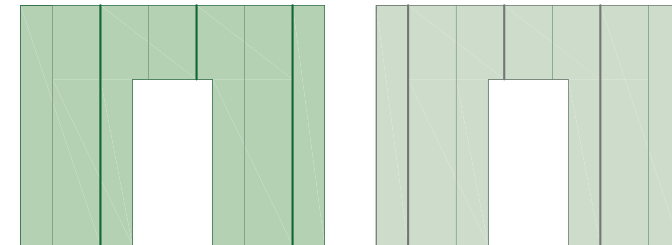
Screw Types

Drywall screw TN 3.5 x 25/35/45/50 or 4.2/70 with sharp point for grid with thickness of the metal profiles < 0.7 mm.
Self-drilling screw TB 3.5 x 25/35/45/50 with self-drilling point for grid with thickness of the metal profiles 0.7 ÷ 2.0 mm.

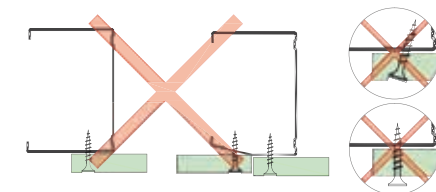
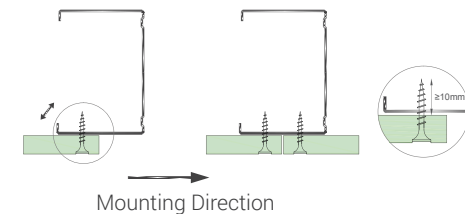
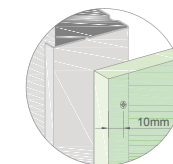
SCREW LENGTH SELECTION				
Cladding	1st Layer	2nd Layer	3rd Layer	4th Layer
9.5 mm	3.5 x 25	3.5 x 35	x	x
12.5 mm	3.5 x 25	3.5 x 35	3.5 x 55	4.2 x 70
15.0 mm	3.5 x 25	3.5 x 45	3.5 x 55	4.2 x 70
2 x 12.5 mm + 15.0 mm	3.5 x 25	3.5 x 35	3.5 x 55	x

DISTANCE BETWEEN FASTENERS				
Cladding Layers	1st Layer	2nd Layer	3rd Layer	4th Layer
Single Layer	250	x	x	x
Double Layer	500	250	x	x
Triple Layer	500	500	250	x
Quadruple Layer	500	500	500	250

Door Opening



Boards should never touch the floor. Approximately 10 mm of gap should be left at the floor connection when fixing boards. Vertical edges should be staggered by 600mm. Both joints(horizontal and vertical) on opposite side of the partition should be staggered. For multi-layer cladding, second layer should be staggered both horizontally and vertically.



The screw head should penetrates 1 mm below the surface of the board.
The mounting direction of the boards must begin from the open part of the CW flange and continue in the direction of its base.

SURFACE QUALITY LEVELS

According to Eurogypsum's classification – European federation of the gypsum product manufacturing industry. Developed and established, the 4 levels of quality finish classification for plasterCladding aims to provide clear definitions thus helping to reduce subjective judging of the end result.

Surface Quality Level	Aesthetic requirements	Finish surface suitability	Application	Suitable Product
Q1 (basic)	For surfaces without aesthetic requirements.	Ceramic tiles, decorative relief plasters with a thickness of more than 2 mm, etc. Corridors and ceilings of service rooms.	Filling the joints and reinforcing with tape. Filling the screw heads. In multi-layer systems and without fire protection requirements, the transition layers do not have to be reinforced with tape.	FUGA FUGA hydro FUGA & FINISH Light
Q2 (standard)	Standard level of completion.	Laying wallpaper with a medium or rough structure. Matt disperse and other paints with filler, which are applied with an ordinary paint roller. Decorative thin-layer plasters or skim coats with a thickness of 1 mm.	Fully finished and dried level Q1. Skimcoating and widening of the joint area to achieve a smooth transition of the surface. Laying a second layer on the screw heads. Forming internal and external corners. If necessary, polish the areas with fine sandpaper.	FUGA FUGA hydro FUGA & FINISH Light
Q3 (high)	High level - some shading still possible.	Laying thin and fine wallpaper Matt disperse and other paints with filler, which are applied with an ordinary paint roller. Decorative thin-layer plasters or skim coats with a thickness of 1 mm.	Fully finished and dried level Q2. Fine complete skimcoating of the surface, including, if necessary, polishing with fine sandpaper. Rough areas and imperfections are not allowed, but are not excluded.	SATEN FUGA & FINISH Light
Q4 (premium)	Premium end - minimised appearance of marks and traces.	Surfaces with requirements for extremely high surface quality. Surfaces to be treated with glossy paints and coatings. Premises with spot or bright light.	Fully finished and dried level Q2. Fine complete skimcoating of the surface with a layer <3 mm. Mandatory thorough inspection of the entire surface with directional LED light and polishing with fine sandpaper. Rough sections and imperfections are not allowed.	SATEN FUGA & FINISH Light

Additional Information

Untreated joints and surfaces are suitable for temporary construction or when the finishcoat has not been determined.

Quality level Q2 does not ensure that marks and spots under the finishing layer will not be visible, particularly under bright or shallow light. These effects can be reduced by continuing with the next level Q3, which includes a thorough coating of the entire plasterboard surface.

If the finishing level of the surface is not specified, then by default quality level Q2 is accepted as sufficient.

It is important to note that quality level Q3 allows partly transparent areas in the jointing between the plasterboards especially under the effect of bright shallow light or in case of glossy finishing. If higher demands are made on quality of the finished surface we recommend the next quality level Q4.

JOINT TREATMENT

Application Conditions

The premise and substrate temperature must not be lower than 8 ° C and must be kept constant for at least 2 days before the joints are treated. Sudden temperature changes when ventilating the premises must be prevented. The flatness and quality of the installation of the boards must also be checked. In the presence of poorly screwed screws, they must be tightened to ensure the flatness of the plasterboard surface. Correct screws to be used with screw head just below the board surface.

Level Q1

First coat of Technogips Pro joint filler should be applied with joint knife of sufficient width beyond both sides of the center of the joint. Technogips Pro joint tape should be embedded into the joint filler to reinforce the joint between two boards.

Applying a second thin coat of the joint filler to level the joint with a width of approx. 80 mm

The visible screw heads should be also filled in.

In multi-layer systems and no fire protection requirements, the lower layers do not have to be reinforced with tape. In the case of fire protection systems, the reinforcement of the joints of all layers with joint tape is mandatory.

Level Q2

To be able to continue with level Q2 – aligning the joint area with continuous transition to the board surface, the absolutely necessary requirement is the first layer, level Q1 to be completely dried (this could take up to 24 hours). A thin leveling coat is applied on the joint with a width of approx. 300 mm for tapered (TE) edging and approx. 400 mm for square (SE) edging. This is sufficient to ensure a continuous gradual transition from the joint to the wallboard surface. The screw heads to be covered with second coat of the compound.

The inner and outer corners should be formed. The outer corners must be formed with an Aluminum angle bead, which must be fixed and leveled with small part of the compound. For a stronger connection and maximum protection against cracks, additional reinforcement with fiberglass tape is recommended at the transition between the corner and the plasterboard. The inner corners to be reinforced with paper tape and compound.

Level Q3

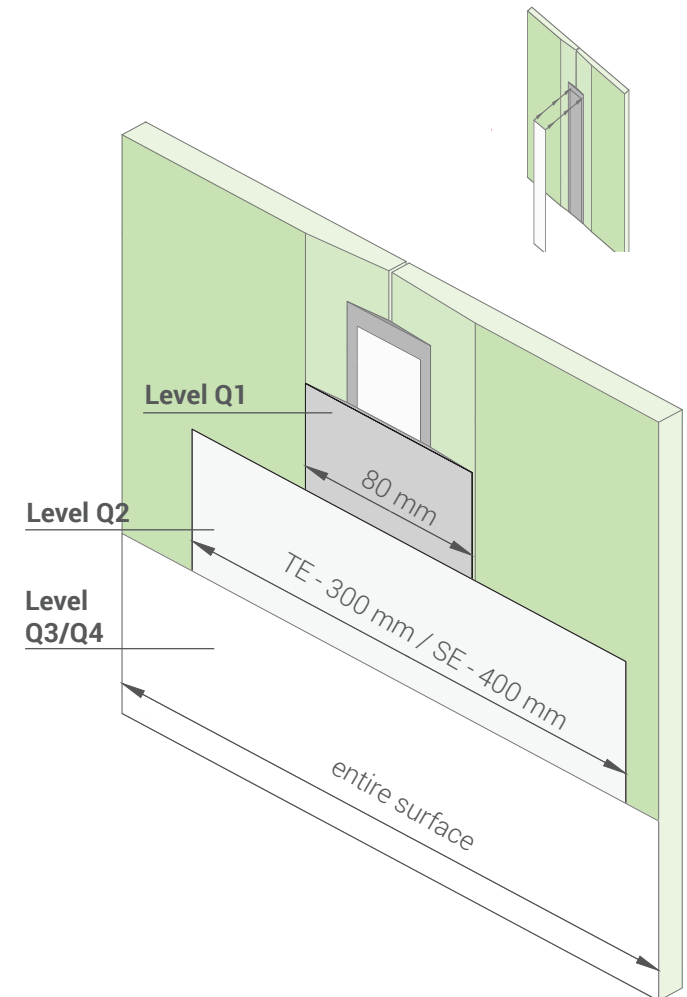
To be able to continue with level Q3 – complete skim coating of the surface, the absolutely necessary requirement is the previous stage, level Q2 to be completely dried (this could take up to 8 hours). With rectilinear moves, holding the drywall trowel under 30°, with rectilinear moves spread a thin layer of the compound. Typically, one or two moves are sufficient to even up all physical ridges and grooves, adding more of the mixture if necessary.

If needed, the surface could be smoothed with fine sandpaper after complete drying of the skim coat.

Level Q4

It is mandatory that the previous layer - level Q2 (Q3) is finished and dry (takes no more than 24 hours). A thin layer (no more than 3 mm) of the compound to be applied over the entire surface of the wall. Then smooth the surface using a skimming spatula.

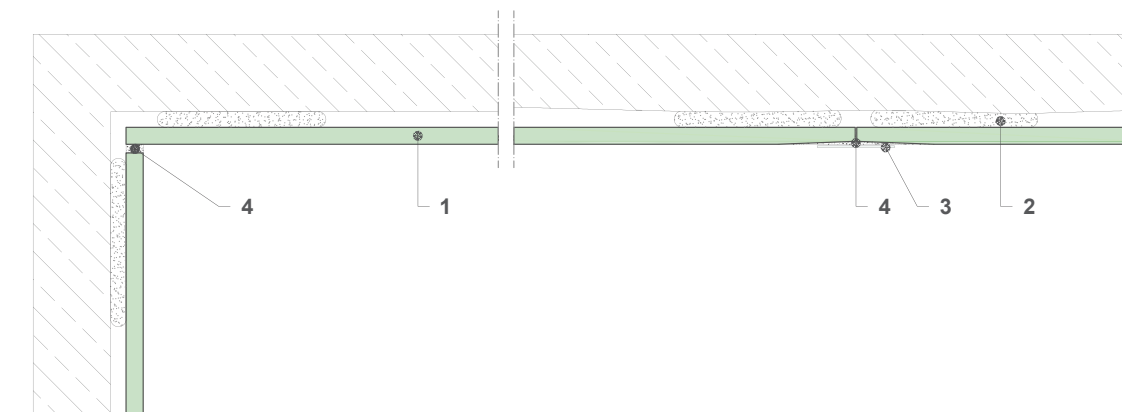
After the wall is completely dry, all imperfections must be smoothed with fine sandpaper. Using LED floodlight will help you spot them easily.



Technogips Pro L0-1

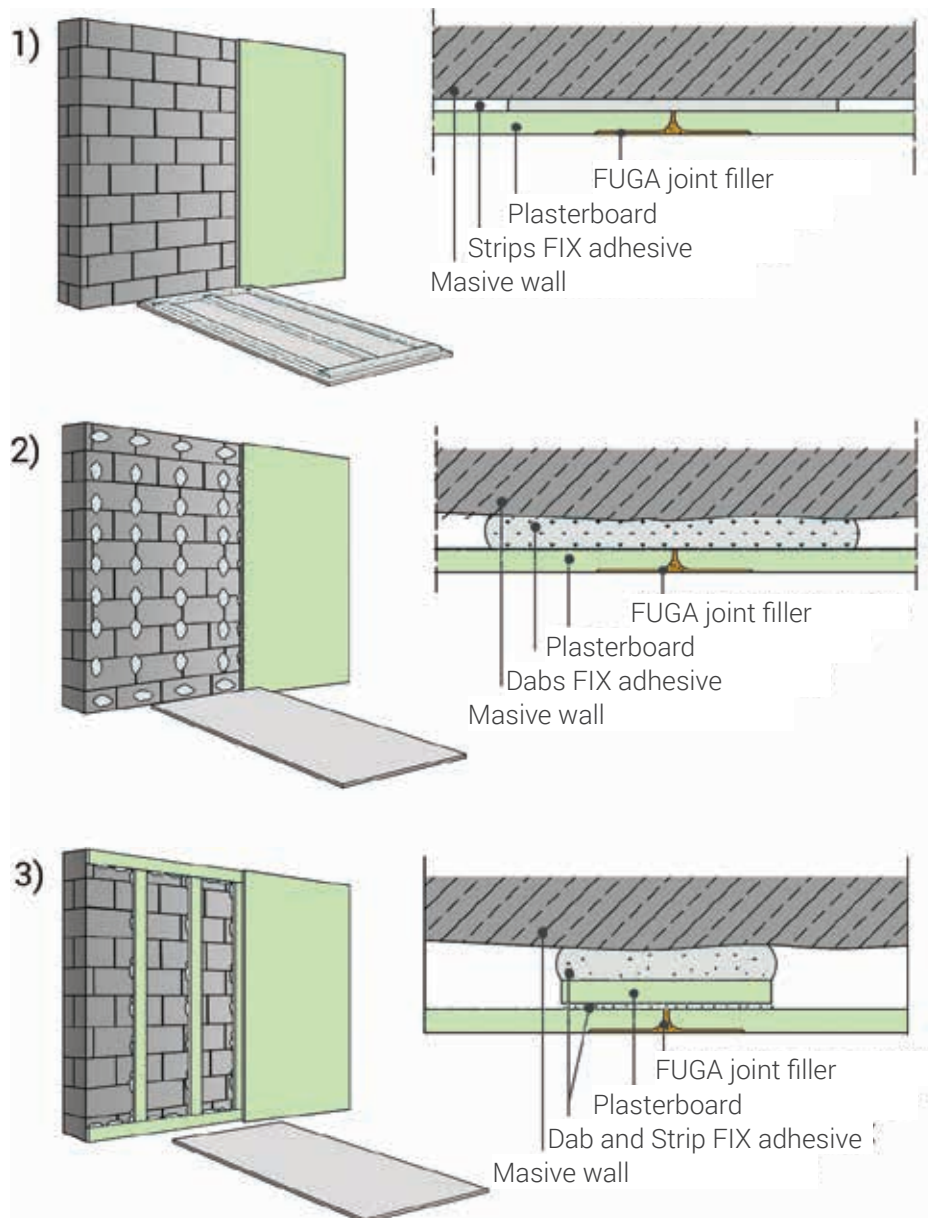


Wall Heights
up to **3.00*** m



Material consumption* per 1 m²			
1	Gypsum plasterboard Technogips Pro Type A / H2 / DF / DFH2 / Sound Comfort Extra DF / Titan Board / Blue Board	m²	1.0
2	Gypsum adhesive FIX	kg	5.0
3	Joint tape @ all last layers joints + peripheral ones	m	1.5
4	Joint filler FUGA&FINISH Light / FUGA @ all layers	kg	0.4 / 0.3
	Skim coat SATEN / FUGA&FINISH Light	kg	0.9 / 0.5

** Permissible heights without fire protection according to DIN 18 183



Applying:

- 1) In case of unevenness up to 10 mm, a method of thin layers is used – FIX is applied in strips along the whole perimeter by using a toothed plastering trowel. Depending on the weight of the mounted board, one or two longitudinal strips of adhesive are added in the middle of the board.
- 2) In case of unevenness between 10 and 20 mm, the adhesive is applied in the form of dabs with a diameter of 10 cm, in chess-board order at a distance of 30- 40 cm in the horizontal and vertical line. Applying the adhesive dabs can be done on both the vertical base and the installation board depending on its size
- 3) In case of unevenness over 20 mm, strips of plasterboard with a width of 100 mm are cut and fixed to the prepared base. FIX is applied to the leveled stripes of plasterboard by using a toothed plastering trowel, after which the plasterboards are fixed.

When the plasterboards are mounted, paddings with a thickness of around 10 mm have to be placed on the side of the floor, with the purpose of forming joint which absorbs the linear expansion of the boards.

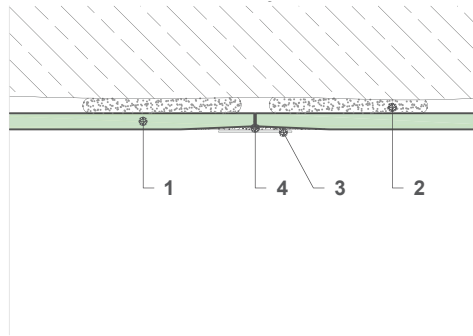
ADDITIONAL INFORMATION:

- It is recommended to use entire plasterboards.
- Do not use in areas with high humidity!!
- It is not advisable to use FIX to stick elements other than plasterboards!
- Do not use FIX to mount plasterboards on ceilings and beams!

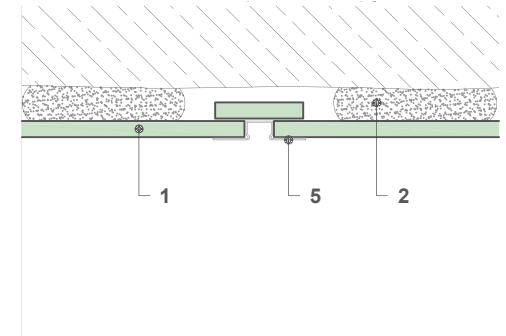
V01 Upper connection to massive element



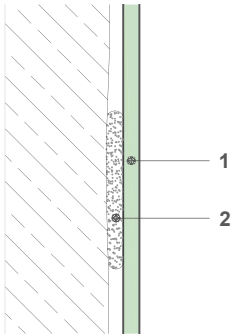
H01 Joint



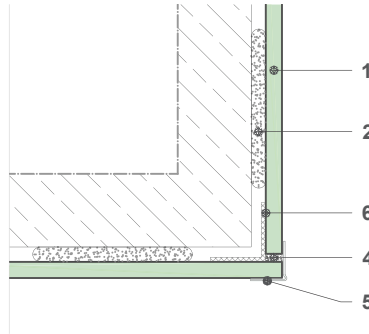
H02 Expansion gap



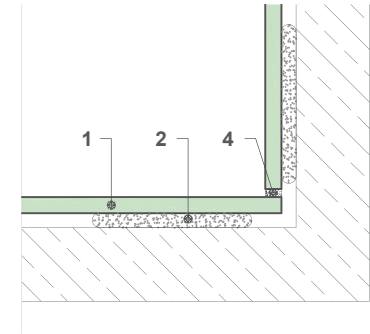
V02 Joint



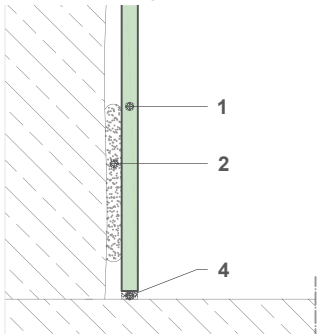
H03.1 External corner



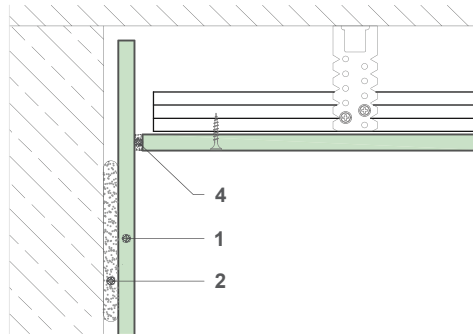
H03.2 Internal corner



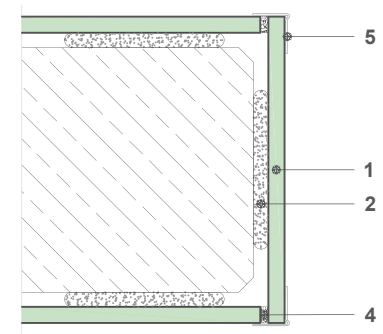
V03 Lower connection to massive floor



V01.2 Upper connection to suspended ceiling



H04 Column



SYSTEM COMPONENTS Technogips Pro

1. Technogips Pro Board 12.5 mm

2. Гипсово лепило FIX

3. Joint tape

4. Joint filler FUGA

5. Angle bead

6. Acoustic foam tape

WALL LININGS

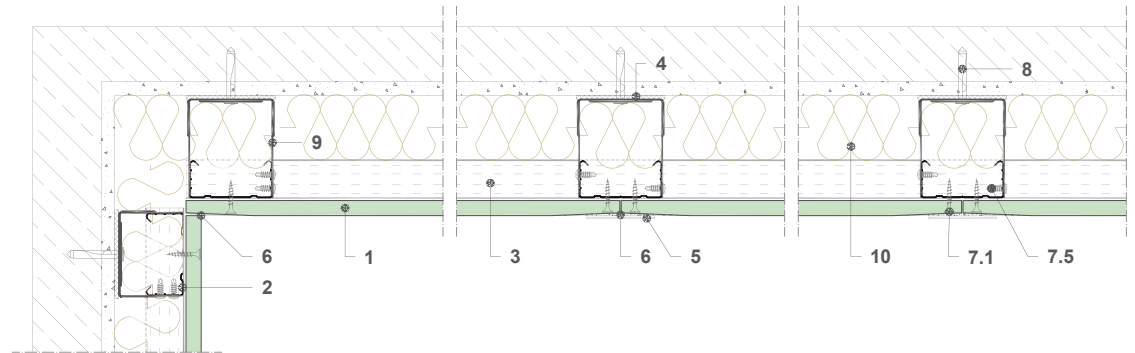
Technogips Pro L1-1



 Wall Self-Weight
up to 16 kg/m²

 Wall Thickness
42.5 mm

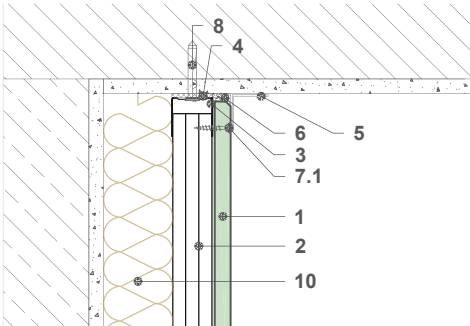
 Wall Heights
up to 10.00 m



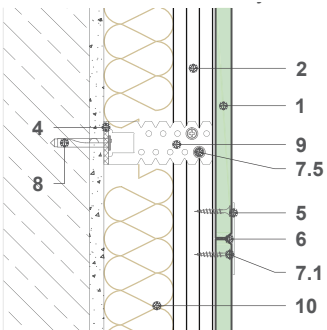
Material consumption* per 1 m²			Stud spacing [mm]
			600
1	Technogips Pro Board Type A / H2 / DF / DFH2 / Sound Comfort Extra DF / Titan Board / Blue Board	m²	1.0
2	Premium Profile CD 60 / 0.6 mm	m	2.0
3	Premium Profile UD 27 / 0.6 mm	m	0.7
4	Acoustic foam tape @ the peripheral profiles	m	1.2
5	Joint tape @ all last layers joints + peripheral ones	m	1.5
6	Joint filler FUGA&FINISH Light / FUGA @ all layers	kg	0.4 / 0.3
7.1	Drywall screw 3.5 x 25 mm @ 250 mm	pcs	15.0
7.5	Self-drilling screw TEX 4.2 x 13 mm	pcs	1.4
8	Nail plug @ 500 mm Ceiling anchor for fire protection @ 500 mm	pcs	1.6
9	Adjusting bracket (load-bearing capacity 40 kg) @ max 1500 mm distance	pcs	1.4
10	Mineral wool (optional)	m²	1.0
	CD longitudinal connector 0.5 mm	m²	1.0
	Skim coat SATEN / FUGA&FINISH Light	kg	0.9 / 0.5

* The consumption quantities are calculated for a straight wall, without openings and curves, with surface area of 10.8 m² (2.7 m in height and 4.0 m in width), without losses and wastes.

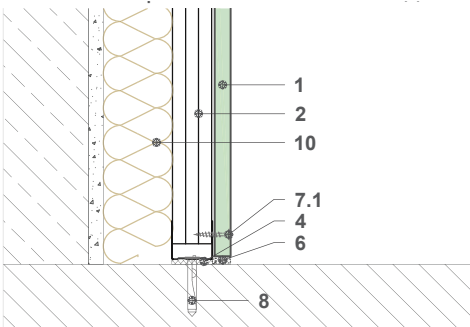
V01 Upper connection to massive element



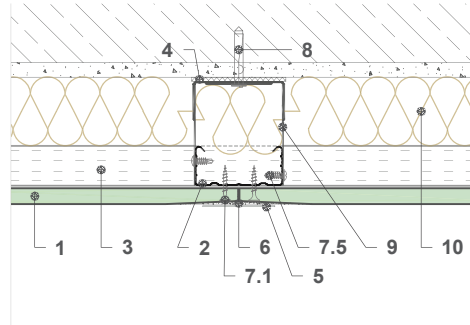
V02 Joint



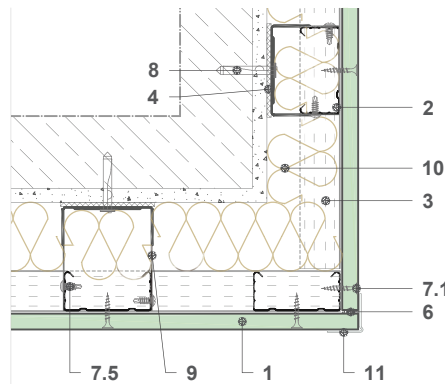
V03 Lower connection to massive floor



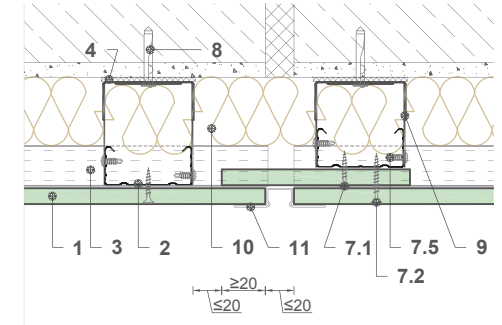
H01 Joint



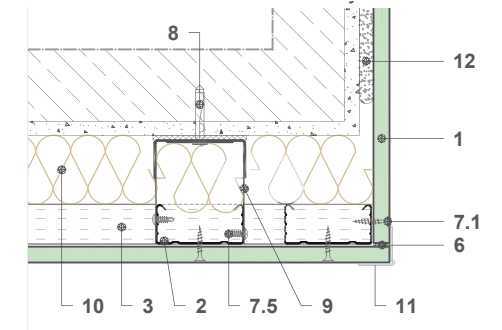
H03.1a Outer corner



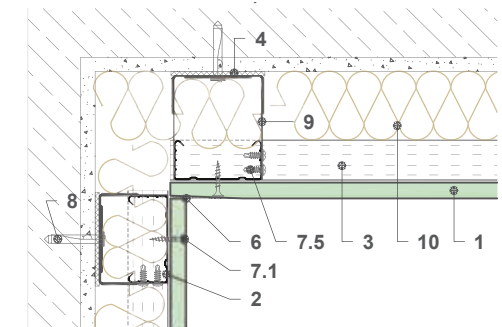
H02 Expansion gap



H03.1b Outer corner with dry plaster



H03.2 Internal corner



SYSTEM COMPONENTS Technogips Pro

1. Technogips Pro Board 12.5 mm	5. Joint tape	7.3 Drywall screw 3.5 x 45 mm	9. Adjusting bracket
2. Premium Profile CD	6. Joint filler FUGA	7.4 Drywall screw 3.5 x 55 mm	10. Минерална вата
3. Premium Profile UD	7.1 Drywall screw 3.5 x 25 mm	7.5 Self-drilling screw TEX 4.2 x 13 mm	11. Angle bead
4. Acoustic foam tape	7.2 Drywall screw 3.5 x 35 mm	8. Nail plug / Ceiling anchor 6 x 40, 60, 80 mm	

WALL LININGS

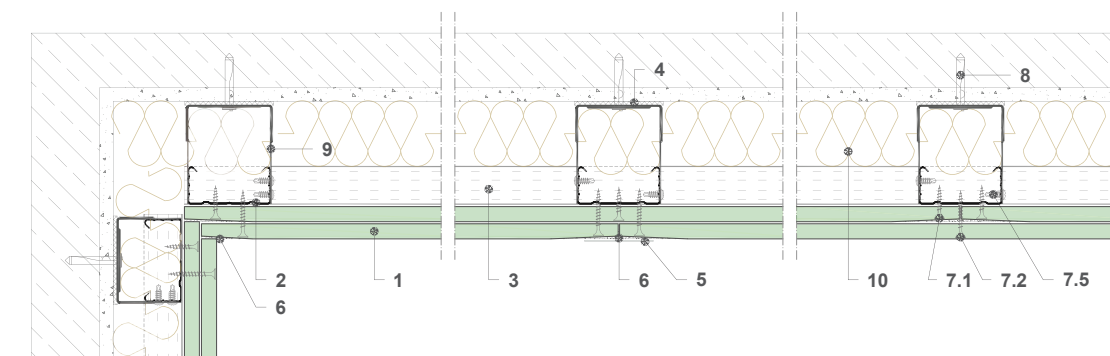
Technogips Pro L1-2



 Wall Self-Weight
up to 22 kg/m²

 Wall Thickness
55 mm

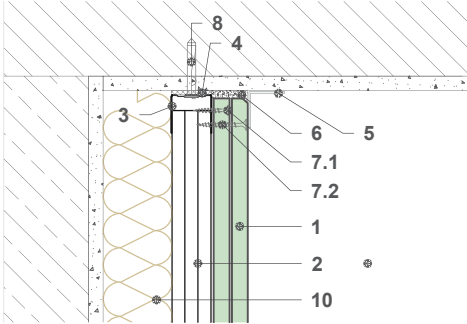
 Wall Heights
up to 10.00 m



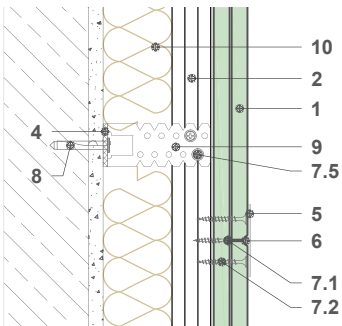
Material consumption* per 1 m ²			Stud spacing [mm]
			600
1	Technogips Pro Board Type A / H2 / DF / DFH2 / Sound Comfort Extra DF / Titan Board / Blue Board	m ²	2.0
2	Premium Profile CD 60 / 0.6 mm	m	2.0
3	Premium Profile UD 27 / 0.6 mm	m	0.7
4	Acoustic foam tape @ the peripheral profiles	m	1.2
5	Joint tape @ all last layers joints + peripheral ones	m	1.5
6	Joint filler FUGA&FINISH Light / FUGA @ all layers	kg	0.35 / 0.3
7.1	Drywall screw 3.5 x 25 mm @ 500 mm	pcs	8.0
7.2	Drywall screw 3.5 x 35 mm / @ 250 mm / @ 12.5 mm plasterboards Drywall screw 3.5 x 45 mm / @ 250 mm / @ 15 mm plasterboards	pcs	15.0
8	Nail plug @ 500 mm Ceiling anchor for fire protection @ 500 mm	pcs	1.6
	Adjusting bracket (load-bearing capacity 40 kg) @ max 1500 mm distance	pcs	1.4
	Self-drilling screw TEX 4.2 x 13 mm	pcs	1.4
	CD longitudinal connector 0.5 mm	m ²	1.0
9	Mineral wool (optional)	m ²	1.0
	Skim coat SATEN / FUGA&FINISH Light	kg	0.9 / 0.5

* The consumption quantities are calculated for a straight wall, without openings and curves, with surface area of 10.8 m² (2.7 m in height and 4.0 m in width), without losses and wastes.

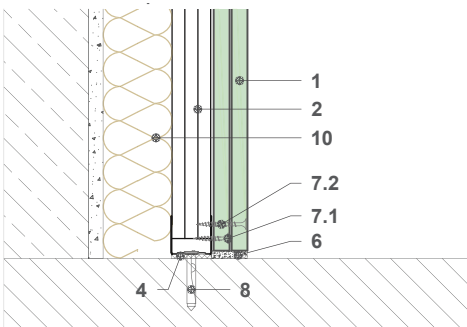
V01 Upper connection to massive element



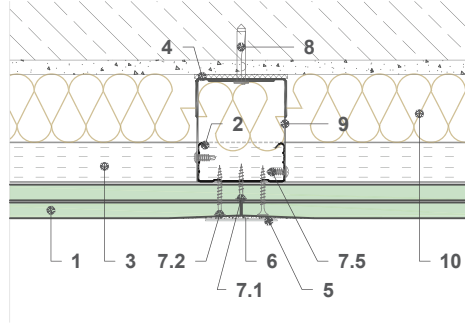
V02 Joint



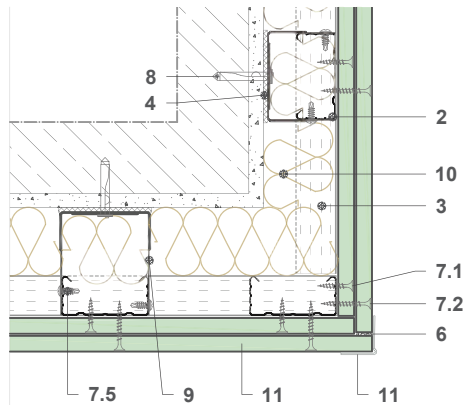
V03 Lower connection to massive floor



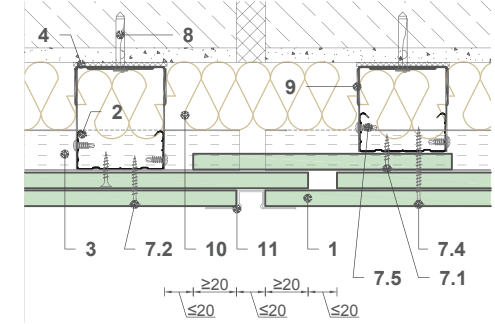
H01 Joint



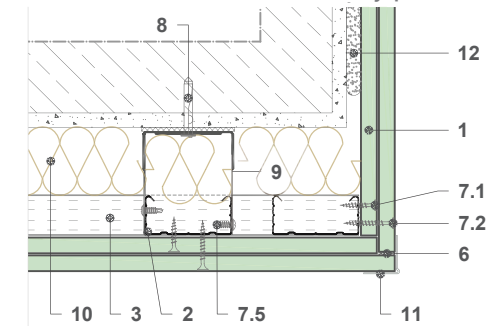
H03.1a Outer corner



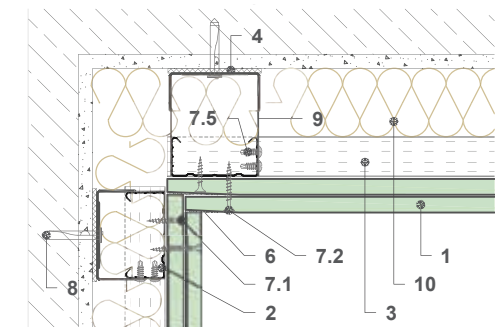
H02 Expansion gap



H03.1b Outer corner with dry plaster



H03.2 Internal corner



SYSTEM COMPONENTS Technogips Pro

1. Technogips Pro Board 12.5 mm

2. Premium Profile CD

3. Premium Profile UD

4. Acoustic foam tape

5. Joint tape

6. Joint filler FUGA

7.1 Drywall screw 3.5 x 25 mm

7.2 Drywall screw 3.5 x 35 mm

7.3 Drywall screw 3.5 x 45 mm

7.4 Drywall screw 3.5 x 55 mm

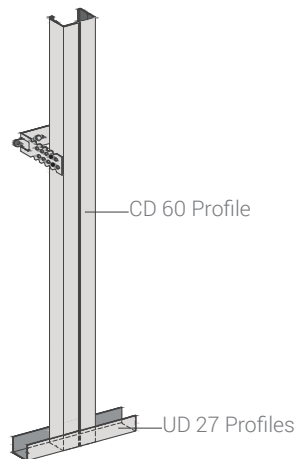
7.5 Self-drilling screw TEX 4.2 x 13 mm

8. Nail plug / Ceiling anchor 6 x 40, 60, 80 mm

9. Adjusting bracket

10. Минерална вата

11. Angle bead



L 1-1 / L 1-2

Fixing of the peripheral UD 27 profiles to the surrounding structure:

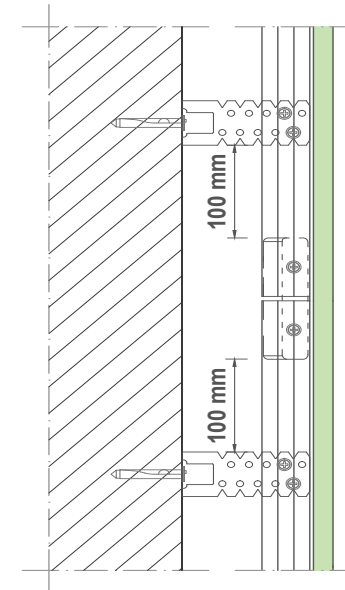
Marking the desired position of the lining on the floor and ceiling using a laser level or a chalk line.
The back side of the peripheral horizontal UD 27 profiles which are in direct contact with the surrounding structures need to be insulated with an Acoustic foam tape 30 for better sound insulation.
In accordance with the prepared marking, the peripheral profiles are fixed using suitable dowels at 50 mm from the beginning of the profile and over 500 mm in its middle part, but not less than 3 fasteners per profile.

Installation of vertical CD 60 profiles:

The vertical CD 60 profiles of the metal structure are mounted between the upper and the lower horizontal UD 27 profiles, with the required spacing of the profiles depending on the height of the room. The spacing of the vertical profiles can be 600, 400 or 300 mm.
The height of the vertical profiles to be shorter than 10 mm than floor to ceiling height.
For subsequent ceramic coatings, the vertical profiles need to be mounted at a 400 mm spacing or the lining should be of at least two layers of plasterboard.

Extension of CD 60 profiles with CD Longitudinal connector

The profile extensions should alternate at the bottom and upper end of the wall.



Movement or Expansion Control Joints

Form Expansion gap detail H02' in the case of lining areas exceeding approx. 10 m in length.
Form the same detail where the lining cross a movement joint in the main structure.

SURFACE QUALITY LEVELS

According to Eurogypsum's classification – European federation of the gypsum product manufacturing industry. Developed and established, the 4 levels of quality finish classification for plasterCladding aims to provide clear definitions thus helping to reduce subjective judging of the end result.

Surface Quality Level	Aesthetic requirements	Finish surface suitability	Application	Suitable Product
Q1 (basic)	For surfaces without aesthetic requirements.	Ceramic tiles, decorative relief plasters with a thickness of more than 2 mm, etc. Corridors and ceilings of service rooms.	Filling the joints and reinforcing with tape. Filling the screw heads. In multi-layer systems and without fire protection requirements, the transition layers do not have to be reinforced with tape.	FUGA FUGA hydro FUGA & FINISH Light
Q2 (standard)	Standard level of completion.	Laying wallpaper with a medium or rough structure. Matt disperse and other paints with filler, which are applied with an ordinary paint roller. Decorative thin-layer plasters or skim coats with a thickness of 1 mm.	Fully finished and dried level Q1. Skimcoating and widening of the joint area to achieve a smooth transition of the surface. Laying a second layer on the screw heads. Forming internal and external corners. If necessary, polish the areas with fine sandpaper.	FUGA FUGA hydro FUGA & FINISH Light
Q3 (high)	High level - some shading still possible.	Laying thin and fine wallpaper Matt disperse and other paints with filler, which are applied with an ordinary paint roller. Decorative thin-layer plasters or skim coats with a thickness of 1 mm.	Fully finished and dried level Q2. Fine complete skimcoating of the surface, including, if necessary, polishing with fine sandpaper. Rough areas and imperfections are not allowed, but are not excluded.	SATEN FUGA & FINISH Light
Q4 (premium)	Premium end - minimised appearance of marks and traces.	Surfaces with requirements for extremely high surface quality. Surfaces to be treated with glossy paints and coatings. Premises with spot or bright light.	Fully finished and dried level Q2. Fine complete skimcoating of the surface with a layer <3 mm. Mandatory thorough inspection of the entire surface with directional LED light and polishing with fine sandpaper. Rough sections and imperfections are not allowed.	SATEN FUGA & FINISH Light

Additional Information

Untreated joints and surfaces are suitable for temporary construction or when the finishcoat has not been determined.

Quality level Q2 does not ensure that marks and spots under the finishing layer will not be visible, particularly under bright or shallow light. These effects can be reduced by continuing with the next level Q3, which includes a thorough coating of the entire plasterboard surface.

If the finishing level of the surface is not specified, then by default quality level Q2 is accepted as sufficient.

It is important to note that quality level Q3 allows partly transparent areas in the jointing between the plasterboards especially under the effect of bright shallow light or in case of glossy finishing. If higher demands are made on quality of the finished surface we recommend the next quality level Q4.

JOINT TREATMENT

Application Conditions

The premise and substrate temperature must not be lower than 8 ° C and must be kept constant for at least 2 days before the joints are treated. Sudden temperature changes when ventilating the premises must be prevented. The flatness and quality of the installation of the boards must also be checked. In the presence of poorly screwed screws, they must be tightened to ensure the flatness of the plasterboard surface. Correct screws to be used with screw head just below the board surface.

Level Q1

First coat of Technogips Pro joint filler should be applied with joint knife of sufficient width beyond both sides of the center of the joint. Technogips Pro joint tape should be embedded into the joint filler to reinforce the joint between two boards.

Applying a second thin coat of the joint filler to level the joint with a width of approx. 80 mm

The visible screw heads should be also filled in.

In multi-layer systems and no fire protection requirements, the lower layers do not have to be reinforced with tape. In the case of fire protection systems, the reinforcement of the joints of all layers with joint tape is mandatory.

Level Q2

To be able to continue with level Q2 – aligning the joint area with continuous transition to the board surface, the absolutely necessary requirement is the first layer, level Q1 to be completely dried (this could take up to 24 hours). A thin leveling coat is applied on the joint with a width of approx. 300 mm for tapered (TE) edging and approx. 400 mm for square (SE) edging. This is sufficient to ensure a continuous gradual transition from the joint to the wallboard surface. The screw heads to be covered with second coat of the compound.

The inner and outer corners should be formed. The outer corners must be formed with an Aluminum angle bead, which must be fixed and leveled with small part of the compound. For a stronger connection and maximum protection against cracks, additional reinforcement with fiberglass tape is recommended at the transition between the corner and the plasterboard. The inner corners to be reinforced with paper tape and compound.

Level Q3

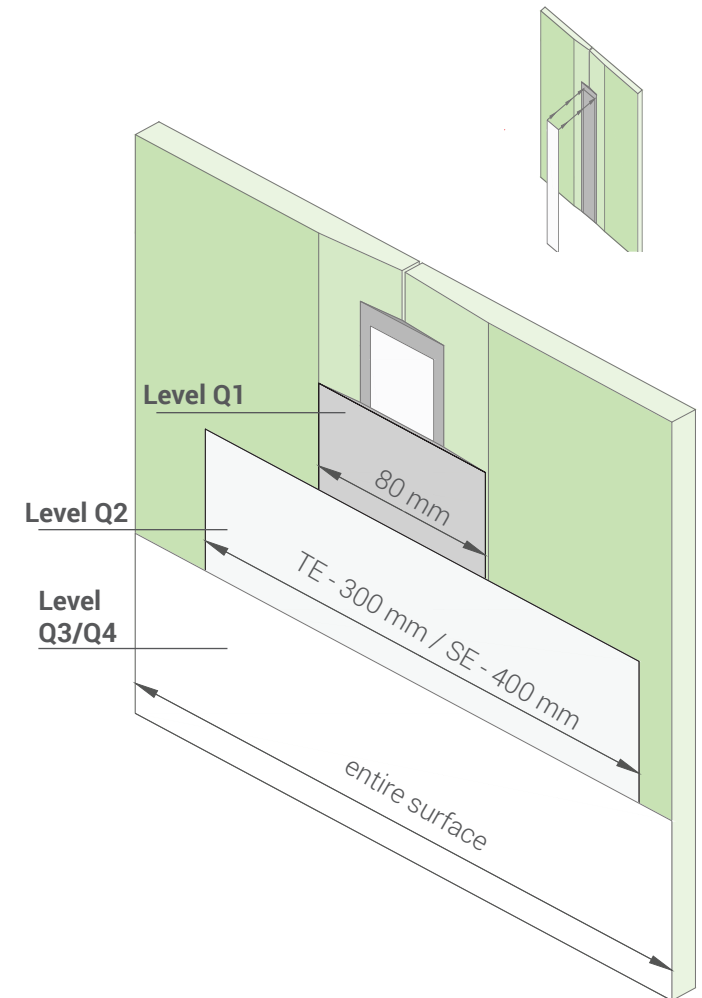
To be able to continue with level Q3 – complete skim coating of the surface, the absolutely necessary requirement is the previous stage, level Q2 to be completely dried (this could take up to 8 hours). With rectilinear moves, holding the drywall trowel under 30°, with rectilinear moves spread a thin layer of the compound. Typically, one or two moves are sufficient to even up all physical ridges and grooves, adding more of the mixture if necessary.

If needed, the surface could be smoothed with fine sandpaper after complete drying of the skim coat.

Level Q4

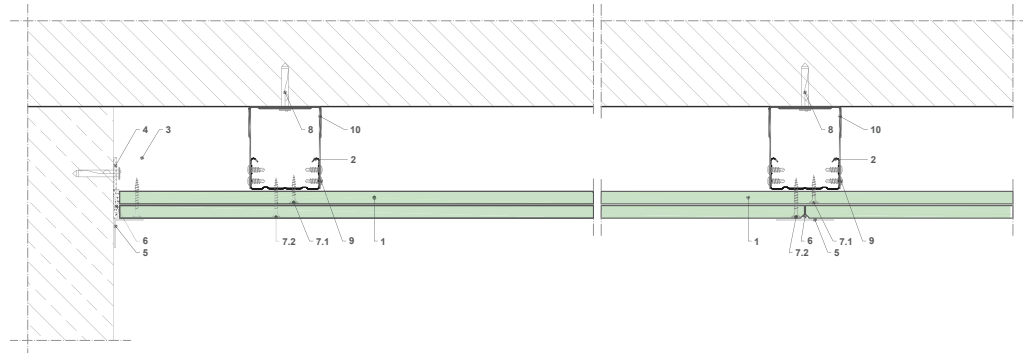
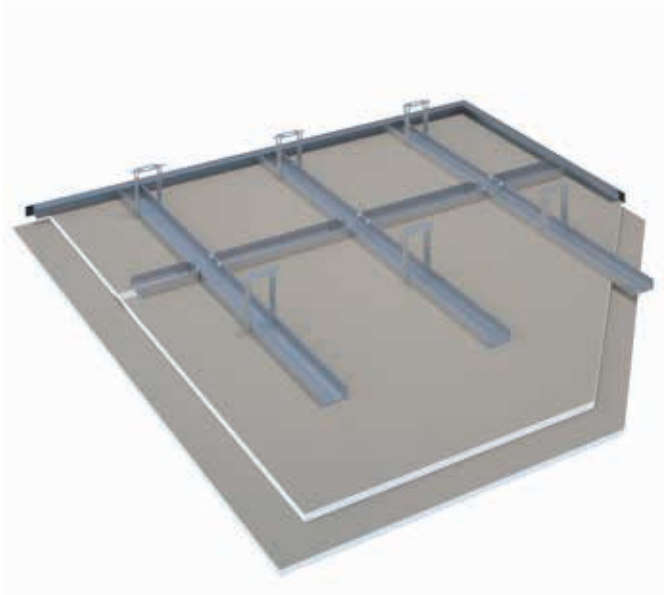
It is mandatory that the previous layer - level Q2 (Q3) is finished and dry (takes no more than 24 hours). A thin layer (no more than 3 mm) of the compound to be applied over the entire surface of the wall. Then smooth the surface using a skimming spatula.

After the wall is completely dry, all imperfections must be smoothed with fine sandpaper. Using LED floodlight will help you spot them easily.



SUSPENDED CEILINGS

Technogips Pro C1



C1-1 - Without Fire Protection

Board Type:

A / H2 / DF / DFH2 / SCE DF /
Titan Board / Blue Board

Cladding 1 x 12.5 mm

Nanger @ 1000 mm

Main Profile @ 1000 mm

Supporting Profile @ 400 mm

C1-2 - Fire Protection EI 45

Board Type:

A / H2 / DF / DFH2 / SCE DF /
Titan Board / Blue Board

Cladding 2 x 12.5 mm

Nanger @ 800 mm

Main Profile @ 400 mm

Supporting Profile @ 400 mm

Material consumption* per 1 m ²			Systems	
			C1-1 1x12.5	C1-2 2x12.5
1	Technogips Pro Board	m ²	1.0	2.0
2	Premium Profile CD 60 / 0.6 mm	m	2.5	3.1
3	Premium Profile UD 27 / 0.6 mm	m	0.7	0.7
4	Acoustic foam tape @ the peripheral profiles	m	0.7	0.7
5	Joint tape** @ all last layers joints + peripheral ones	m	1.5	3.0
6	Joint filler FUGA&FINISH Light / FUGA for fire protection @ all layers	kg	0.4 / 0.3	- 0.6
7.1	Drywall screw 3.5 x 25 mm	pcs	20.0	10.0
7.2	Drywall screw 3.5 x 35 mm / @ 250 mm / @ 12.5 mm plasterboards Drywall screw 3.5 x 45 mm / @ 250 mm / @ 15 mm plasterboards	pcs	-	20.0
8.1	Nail plug for the peripheral UD 27 profiles @ 500 mm	pcs	1.4	1.4
8.2	Ceiling anchor for the hangers @ 500 mm	pcs	3.5	3.5
9	Rotary hanger, „Moon“/„Anchor“; Attic hanger, „Anchor“ (load-bearing capacity 25 kg) Adjusting bracket or Nonius hanger (load-bearing capacity 40 kg)	pcs	3.5 -	- 3.5
10	CD crosswise one-side connector	pcs	1.0	1.0
11	Self-drilling screw TEX 4.2 x 13 mm	pcs	9.0	9.0
12	CD longitudinal connector 0.5 mm	pcs	1.0	1.0
	Mineral wool (optional)	m ²	1.0	1.0
	Skim coat SATEN / FUGA&FINISH Light	kg	0.9 / 0.5	0.9 / 0.5

* The consumption quantities are calculated for a straight ceiling, without openings and curves, with surface area of 12 m², without losses and wastes.

** In case of Fire Protection requirements, it is necessary to apply Joint tape on each layer. The consumption will be 1.5 m² for each layer for 1 m²

Planning of the metal frame without fire protection requirements

Self-weight of the suspended ceiling* kg/m ²				
Cladding	C1-1	C1-2	C1-3	C1-4
Standard Plasterboard Type A 12.5 mm	11.20	19.40	27.60	35.80
Moisture Resistant Plasterboard Type H2 12.5 mm	11.60	20.20	28.80	37.40
Fire Resistant Plasterboard Type DF 12.5 mm	13.20	23.40	33.60	43.80
Fire and Moisture Resistant Plasterboard Type DFH2 12.5 mm	13.50	24.00	34.50	45.00
Sound Comfort Extra Type DF 12.5 mm	15.00	27.00	39.00	51.00
Titan Board Type DFH1IR 12.5 mm	16.00	29.00	42.00	55.00
Blue Board Type GMFH1IR 12.5 mm	14.50	26.00	37.50	49.00
Standard Plasterboard Type A 15 mm	14.00	25.00	36.00	47.00
Moisture Resistant Plasterboard Type H2 15 mm	14.50	26.00	37.50	49.00
Fire Resistant Plasterboard Type DF Type DF 15 mm	15.00	27.00	39.00	51.00
Fire and Moisture Resistant Plasterboard Type DFH2 15 mm	15.50	28.00	40.50	53.00

* Self-weight of the suspended ceiling (cladding and metal frame) without additional loads of insulating material and suspended objects.

Screw Length Selection

Thickness of the board	1st Layer	2nd Layer
12.5 mm	3.5 x 25	3.5 x 35
15.0 mm	3.5 x 25	3.5 x 45

Distance Between the Fasteners

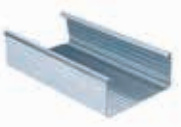
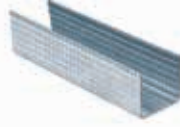
Cladding Layers	1st Layer	2nd Layer
Single Layer	200	x
Double Layer	400	200

		
Ceiling anchor	Nail plug	Drywall screw
For fixing suspended metal frame to main concrete slab.	For fixing the peripheral UD 27 profiles to the surrounding structure.	For fixing plasterboards to the metal frame with thickness of the metal < 0.7 mm.

Technogips Pro C1 - One Level Metal frame					
Spacing distances, mm					
Main Profile	Supporting Profile**	Hangers, load class in kg/m ²			
		< 15 kg/m ²	< 30 kg/m ²	< 50 kg/m ² *	< 60 kg/m ² *
1200	400	1200	950	800	750
	500	1150	900	750	700
1200	400	1000	800	x	x
	500	900	700	x	x

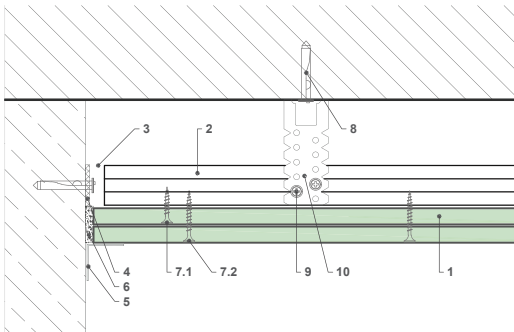
* Mandatory use of Nonius hanger or Adjusting bracket

** Permissible spacing of 400 mm when longitudinal installation of the boards
Permissible spacing of 500 mm when transversal installation of the boards

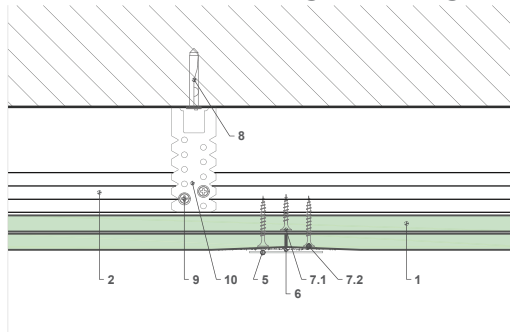
				
Premium Profile CD 60	Premium Profile UD 27	CD crosswise connector	CD longitudinal connector	Self-drilling screw, TEX
Main/Supporting Profile	Peripheral Profiles	For transversal connection of the CD Profile	For longitudinal extension of CD 60 Profile	for securing the extension of profile or for fixing a Adjusting bracket to CD 60 Profile

				
Hangers (load-bearing capacity 40 kg)		Hangers (load-bearing capacity 25 kg)		
Nonius hanger	Adjusting bracket	Rotary anger Moon type	Rotary anger Anchor type	Attic hanger Anchor type
Hanger for pressure resistant suspension of the metal frame to the main ceiling.		Hanger for standard suspension of the metal frame to the main ceiling.		Hanger for suspension to the main wooden grid ceiling.

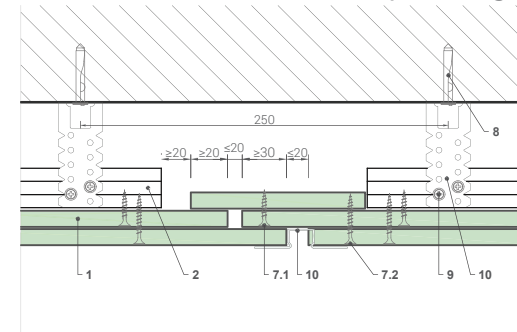
L01 Connection to massive element



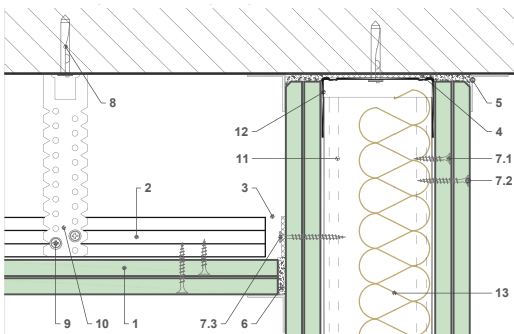
L03 Joint between longitudinal edges



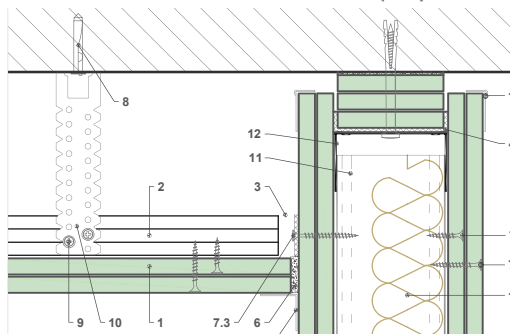
L04 Expansion gap



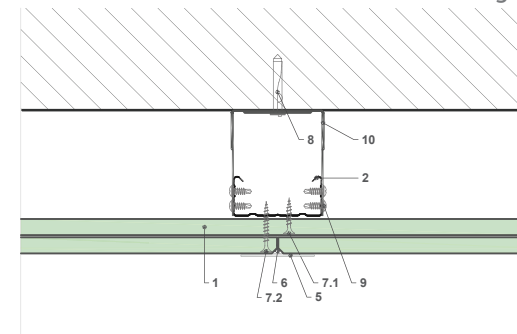
L02.1 Connection C 1-2 with W 1-2



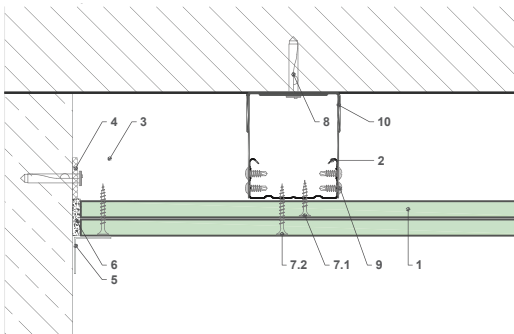
L02.2 Connection C 1-2 with W 1-2 (expansion gap)



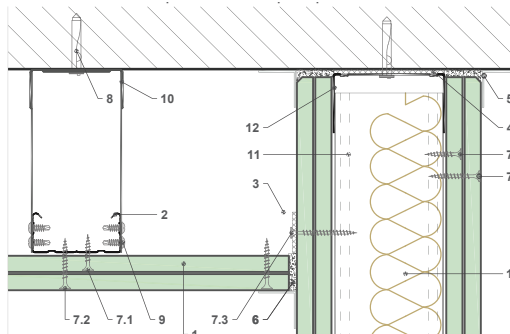
C03 Joint between cross edges



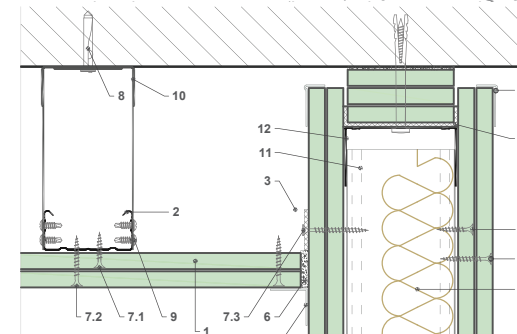
C01 Connection to massive element



C02.1 Connection C 1-2 with W 1-2



C02.2 Connection C 1-2 with W 1-2 (expansion gap)



SYSTEM COMPONENTS Technogips Pro

1. Technogips Pro Board 12.5 mm

2. Premium Profile CD 60

3. Premium Profile UD 27

4. Acoustic foam tape

5. Joint tape

6. Joint filler FUGA

7.1 Drywall screw 3.5 x 25 mm

7.2 Drywall screw 3.5 x 35 mm

7.3 Drywall screw 3.5 x 45 mm

7.4 Drywall screw 3.5 x 55 mm

8. Nail plug / Ceiling anchor 6 x 40, 60, 80 mm

9. Self-drilling screw TEX 4.2 x 13 mm

10. Adjusting bracket

11. Premium Profile CW

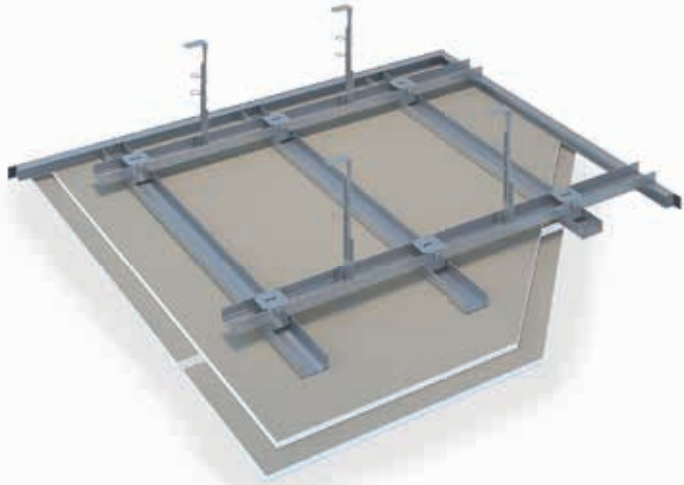
12. Premium Profile UW

13. Mineral wool

14. Angle bead

SUSPENDED CEILINGS

Technogips Pro C2



C2-1 - Without Fire Protection

Board Type:	Cladding 1 x 12.5 mm
A / H2 / DF / DFH2 / SCE DF / Titan Board / Blue Board	Nanger @ 1000 mm
	Main Profile @ 1000 mm
	Supporting Profile @ 500 mm

C2-2 - Fire Protection EI 60

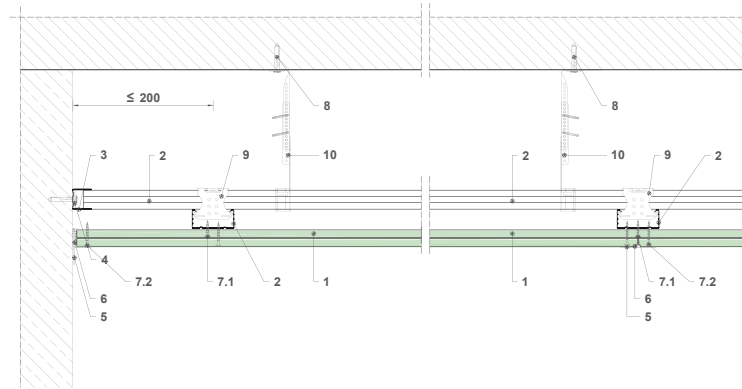
Board Type:	Cladding 2 x 15 mm
DF / DFH2	Nanger @ 600 mm
	Main Profile @ 800 mm
	Supporting Profile @ 400 mm

C2-3 - Fire Protection EI 90

Board Type:	Cladding 3 x 15 mm
DF / DFH2	Nanger @ 600 mm
	Main Profile @ 600 mm
	Supporting Profile @ 400 mm

C2-4 - Fire Protection EI 120

Board Type:	Cladding 4 x 15 mm
DF / DFH2	Nanger @ 600 mm
	Main Profile @ 600 mm
	Supporting Profile @ 400 mm



Material consumption* per 1 m ²			Systems			
			C2-1 1x12.5	C2-2 2x15	C2-3 3x15	C2-4 4x15
1	Technogips Pro Board	m ²	1.0	2.0	3.0	4.0
2	Premium Profile CD 60 / 0.6 mm	m	4.0	4.0	4.0	4.0
3	Premium Profile UD 27 / 0.6 mm	m	0.7	0.7	0.7	0.7
4	Acoustic foam tape @ the peripheral profiles	m	0.7	0.7	0.7	0.7
5	Joint tape** @ all last layers joints + peripheral ones	m	1.5	3.0	4.5	6.0
6	Joint filler FUGA&FINISH Light / FUGA for fire protection @ all layers	kg	0.4 / 0.3	0.6	0.9	1.2
7	Drywall screw 3.5 x 25 mm	pcs	20.0	10.0	10.0	10.0
	Drywall screw 3.5 x 45 mm		-	20.0	10.0	10.0
	Drywall screw 3.5 x 55 mm		-	-	20.0	10.0
	Drywall screw 4.2 x 70 mm		-	-	-	20.0
8	Nail plug for the peripheral UD 27 profiles @ 500 mm	pcs	1.4	1.4	1.4	1.4
	Ceiling anchor for the hangers @ 500 mm	pcs	2.5	2.5	2.5	2.5
9	Rotary hanger, „Moon“/„Anchor“; Attic hanger, „Anchor“ (load-bearing capacity 25 kg)	pcs	2.5	-	-	-
	Adjusting bracket or Nonius hanger (load-bearing capacity 40 kg)	pcs	-	2.5	2.5	2.5
10	CD cross connector	pcs	3.5	3.5	3.5	3.5
11	Self-drilling screw TEX 4.2 x 13 mm	pcs	9.0	9.0	9.0	9.0
12	CD longitudinal connector 0.5 mm	pcs	1.0	1.0	1.0	1.0
	Mineral wool (optional)	m ²	1.0	1.0	1.0	1.0
	Skim coat SATEN / FUGA&FINISH Light	kg	0.9 / 0.5	0.9 / 0.5	0.9 / 0.5	0.9 / 0.5

* The consumption quantities are calculated for a straight ceiling, without openings and curves, with surface area of 12 m², without losses and wastes.

** In case of Fire Protection requirements, it is necessary to apply Joint tape on each layer. The consumption will be 1.5 m² for each layer for 1 m²

Planning of the metal frame without fire protection requirements

Self-weight of the suspended ceiling* - kg/m²				
Cladding	C2-1	C2-2	C2-3	C2-4
Standard Plasterboard Type A 12.5 mm	12.20	20.40	28.60	36.80
Moisture Resistant Plasterboard Type H2 12.5 mm	12.60	21.20	29.80	38.40
Fire Resistant Plasterboard Type DF 12.5 mm	14.20	24.40	34.60	44.80
Fire and Moisture Resistant Plasterboard Type DFH2 12.5 mm	14.50	25.00	35.50	46.00
Sound Comfort Extra Type DF 12.5 mm	16.00	28.00	40.00	52.00
Titan Board Type DFH1IR 12.5 mm	17.00	30.00	43.00	56.00
Blue Board Type GMFH1IR 12.5 mm	15.50	27.00	38.50	50.00
Standard Plasterboard Type A 15 mm	15.00	26.00	37.00	48.00
Moisture Resistant Plasterboard Type H2 15 mm	15.50	27.00	38.50	50.00
Fire Resistant Plasterboard Type DF Type DF 15 mm	16.00	28.00	40.00	52.00
Fire and Moisture Resistant Plasterboard Type DFH2 15 mm	16.50	29.00	41.50	54.00

* Self-weight of the suspended ceiling (cladding and metal frame) without additional loads of insulating material and suspended objects.

Screw Length Selection

Thickness of the board	1st Layer	2nd Layer	3rd Layer	4th Layer
12.5 mm	3.5 x 25	3.5 x 35	3.5 x 55	4.2 x 70
15.0 mm	3.5 x 25	3.5 x 45	3.5 x 55	4.2 x 70

Distance Between the Fasteners

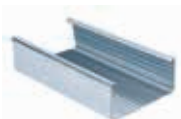
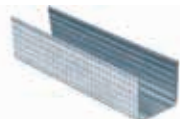
Cladding	1st Layer	2nd Layer	3rd Layer	4th Layer
Single Layer	200	x	x	x
Double Layer	400	200	x	x
Triple Layer	400	400	200	x
Quadruple	400	400	200	200

		
Ceiling anchor	Nail plug	Drywall screw
For fixing suspended metal frame to main concrete slab.	For fixing the peripheral UD 27 profiles to the surrounding structure.	For fixing plasterboards to the metal frame with thickness of the metal < 0.7 mm.

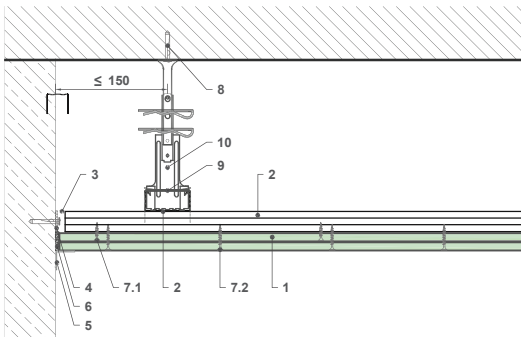
Technogips Pro C2 - Two Levels Metal frame					
Spacing distances, mm					
Main Profile	Supporting Profile**	Hangers, load class in kg/m²			
		< 15 kg/m²	< 30 kg/m²	< 50 kg/m²*	< 60 kg/m²*
500	400/500	1200	900	750	600
600		1150	850	700	550
1000		950	750	x	x
1200		900	x	x	x

* Mandatory use of Nonius hanger or Adjusting bracket

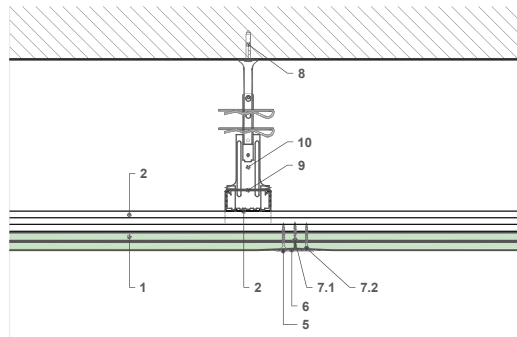
** Permissible spacing of 400 mm when longitudinal installation of the boards
Permissible spacing of 500 mm when transversal installation of the boards

				
Premium Profile CD 60	Premium Profile UD 27	CD crossconnector	CD longitudinal connector	Drywall screw, TEX
Main/Supporting Profile	Peripheral Profiles	For transversal connection of the CD Profile	For longitudinal extension of CD 60 Profile	for securing the extension of profile or for fixing a Adjusting bracket to CD 60 Profile
				
Hangers (load-bearing capacity 40 kg)		Hangers (load-bearing capacity 25 kg)		
Nonius hanger	Adjusting bracket	Rotary anger Moon type	Rotary anger Anchor type	Attic hanger Anchor type
Hanger for pressure resistant suspension of the metal frame to the main ceiling.		Hanger for standard suspension of the metal frame to the main ceiling.		Hanger for suspension to the main wooden grid ceiling.

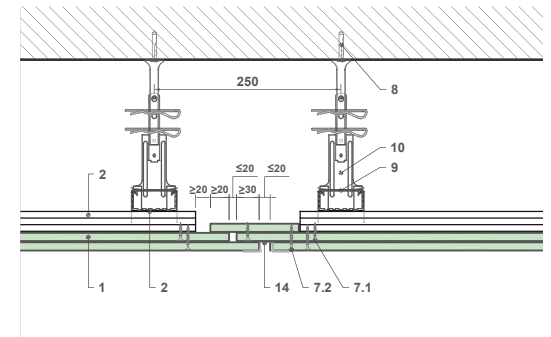
L01 Connection to massive element



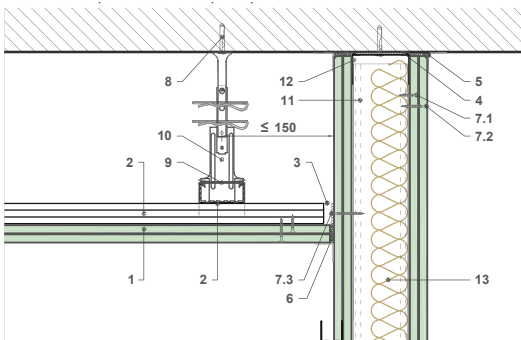
L03 Joint between longitudinal edges



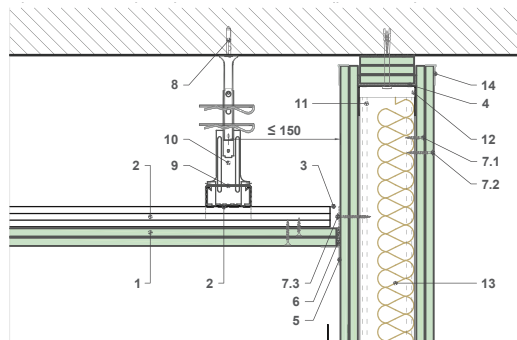
L04 Expansion gap



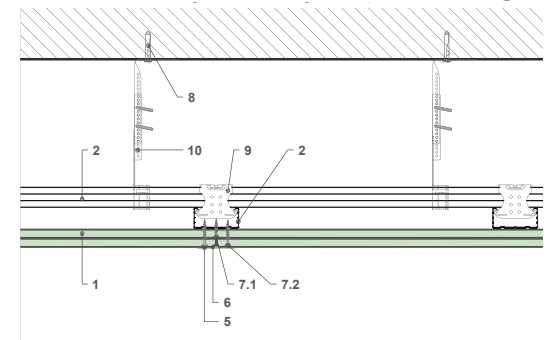
L02.1 Connection C 2-2 with W 1-2



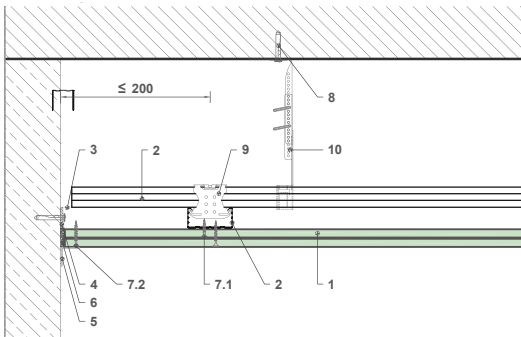
L02.2 Connection C 2-2 with W 1-2 (expansion gap)



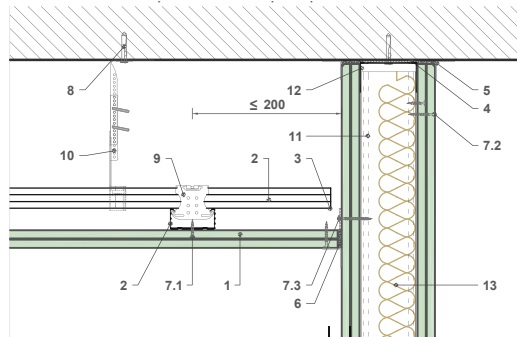
C03 Joint between cross edges



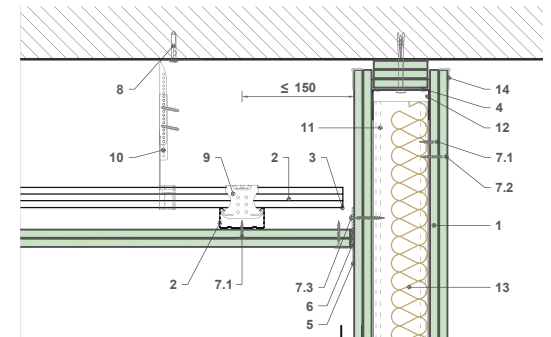
C01 Connection to massive element



C02.1 Connection C 2-2 with W 1-2



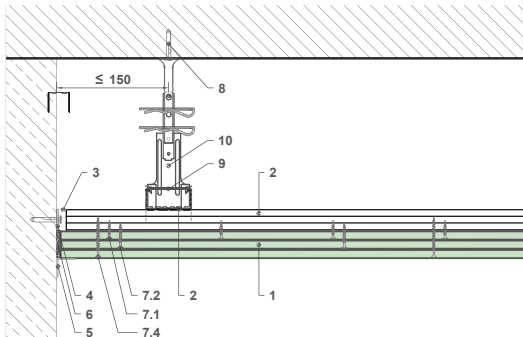
C02.2 Connection C 2-2 with W 1-2 (expansion gap)



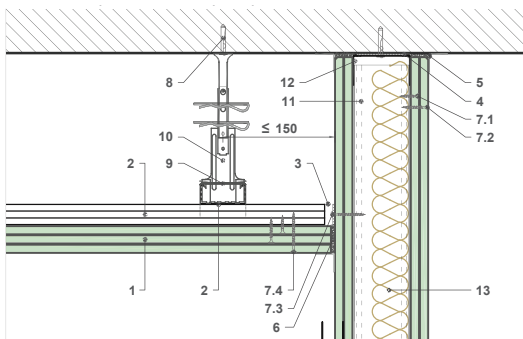
SYSTEM COMPONENTS Technogips Pro

1. Technogips Pro Board 12.5 mm	5. Joint tape	7.3. Drywall screw 3.5 x 45 mm	9. CD cross connector	13. Mineral wool
2. Premium Profile CD 60	6. Joint filler FUGA	7.4. Drywall screw 3.5 x 55 mm	10. Nonius hanger	14. Angle bead
3. Premium Profile UD 27	7.1 Drywall screw 3.5 x 25 mm	7.5. Drywall screw 4.2 x 70 mm	11. Premium Profile CW	
4. Acoustic foam tape	7.2 Drywall screw 3.5 x 35 mm	8. Nail plug / Ceiling anchor 6 x 40, 60, 80 mm	12. Premium Profile UW	

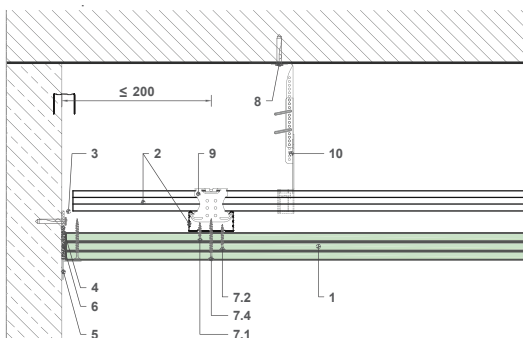
L01 Connection to massive element



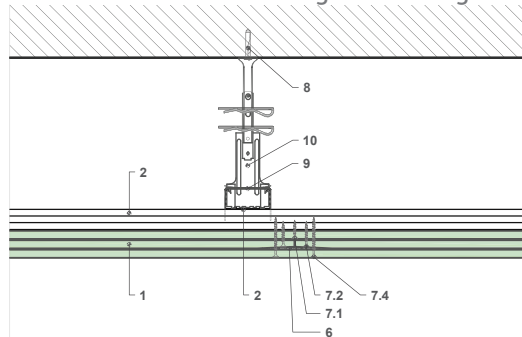
L02.1 Connection C 2-3 with W 1-2



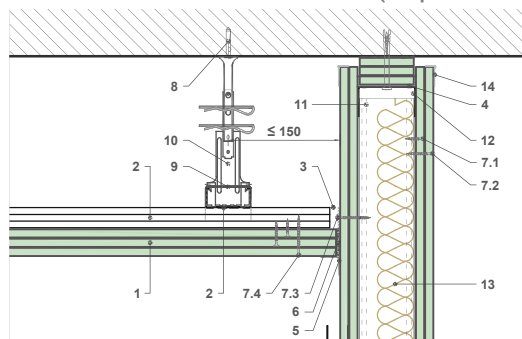
C01 Connection to massive element



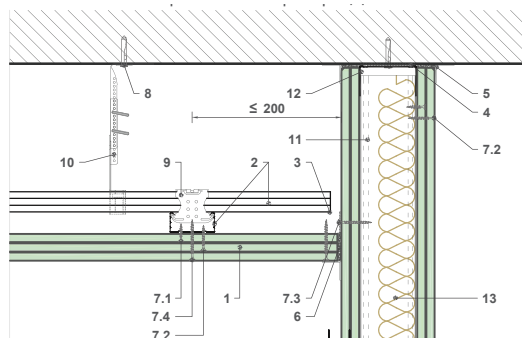
L03 Joint between longitudinal edges



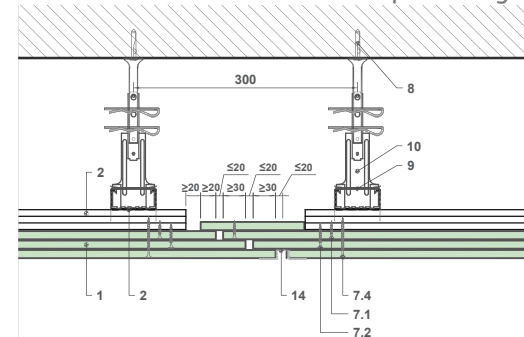
L02.2 Connection C 2-3 with W 1-2 (expansion gap)



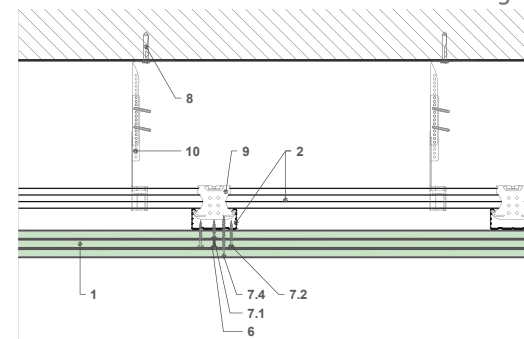
C02.1 Connection C 2-3 with W 1-2



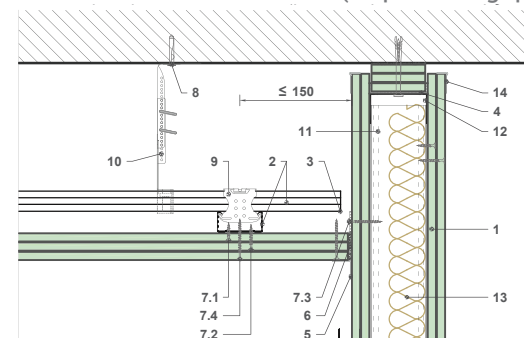
L04 Expansion gap



C03 Joint between cross edges



C02.2 Connection C 2-3 with W 1-2 (expansion gap)



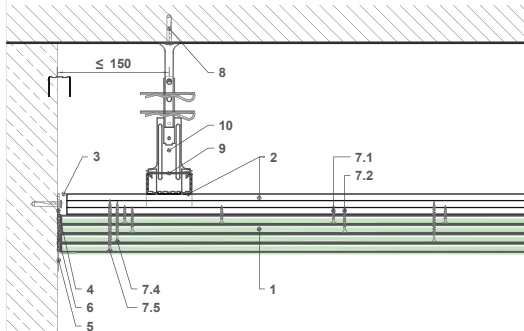
SYSTEM COMPONENTS Technogips Pro

1. Technogips Pro Board 12.5 mm	5. Joint tape	7.3. Drywall screw 3.5 x 45 mm	9. CD cross connector	13. Mineral wool
2. Premium Profile CD 60	6. Joint filler FUGA	7.4. Drywall screw 3.5 x 55 mm	10. Nonius hanger	14. Angle bead
3. Premium Profile UD 27	7.1 Drywall screw 3.5 x 25 mm	7.5. Drywall screw 4.2 x 70 mm	11. Premium Profile CW	
4. Acoustic foam tape	7.2 Drywall screw 3.5 x 35 mm	8. Nail plug / Ceiling anchor 6 x 40, 60, 80 mm	12. Premium Profile UW	

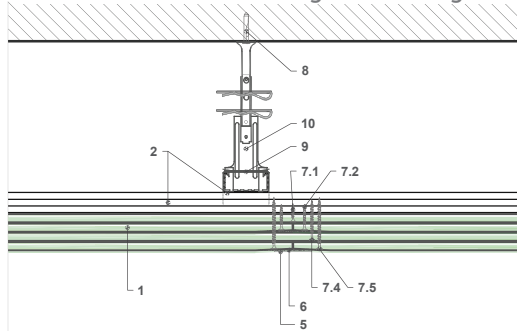
SUSPENDED CEILING **Technogips Pro C2** Two Levels Metal Frame



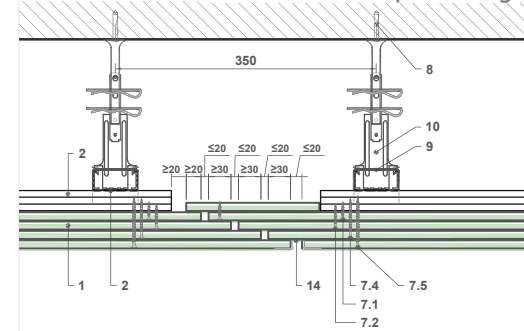
L01 Connection to massive element



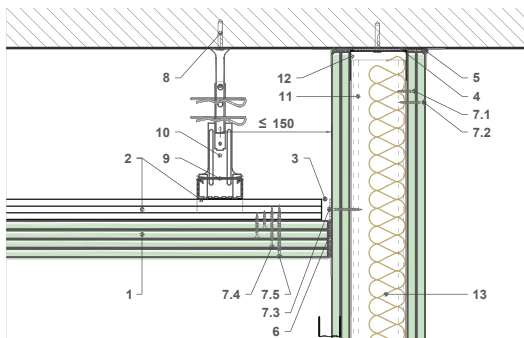
L03 Joint between longitudinal edges



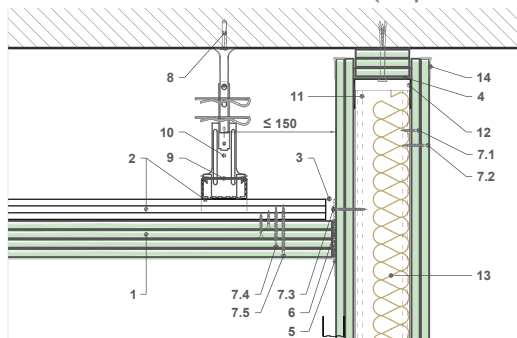
L04 Expansion gap



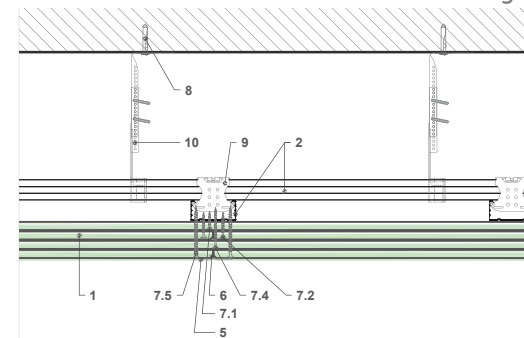
L02.1 Connection C 2-4 with W 1-2



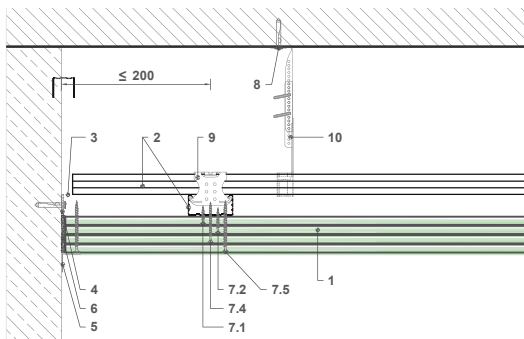
L02.2 Connection C 2-4 with W 1-2 (expansion gap)



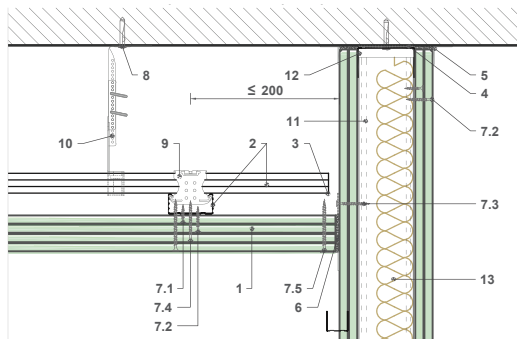
C03 Joint between cross edges



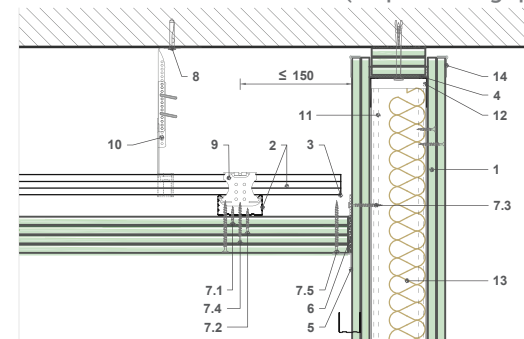
C01 Connection to massive element



C02.1 Connection C 2-4 with W 1-2



C02.2 Connection C 2-4 with W 1-2 (expansion gap)



SYSTEM COMPONENTS Technogips Pro

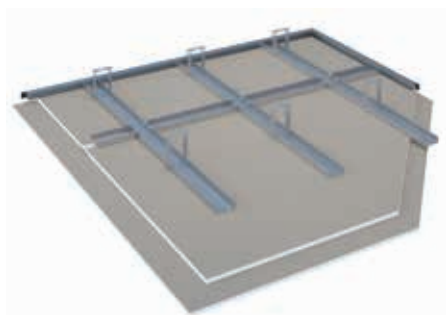
1. Technogips Pro Board 12.5 mm	5. Joint tape	7.3. Drywall screw 3.5 x 45 mm	9. CD cross connector	13. Mineral wool
2. Premium Profile CD 60	6. Joint filler FUGA	7.4. Drywall screw 3.5 x 55 mm	10. Nonius hanger	14. Angle bead
3. Premium Profile UD 27	7.1 Drywall screw 3.5 x 25 mm	7.5. Drywall screw 4.2 x 70 mm	11. Premium Profile CW	
4. Acoustic foam tape	7.2 Drywall screw 3.5 x 35 mm	8. Nail plug / Ceiling anchor 6 x 40, 60, 80 mm	12. Premium Profile UW	

Fixing of the peripheral profiles to the surrounding structure:

Marking the desired level of the suspended ceiling on the surrounding walls using a laser level or a chalk line.

The back side of the peripheral UD 27 profiles which are in direct contact with the surrounding structures need to be insulated with an Acoustic foam tape 30 for better sound insulation.

In accordance with the prepared marking, the peripheral profiles are fixed using suitable dowels at 50 mm from the beginning of the profile and over 500 mm in its middle part, but not less than 3 fasteners per profile.



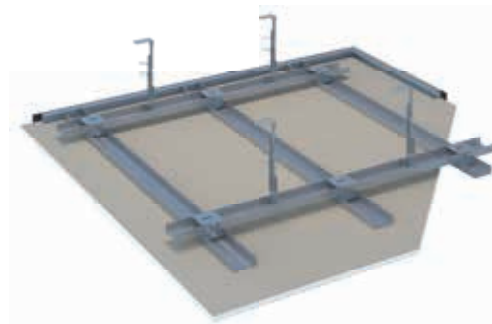
C 1-1 / C 1-2

Suspension and metal frame for C 1-1 / C 1-2

Marking and fixing of the hangers with Ceiling Ancor 6x40 / 60 to the main ceiling, according to the selected planning scheme.

The centers of the main CD profiles must be leveled to the level of the suspended ceiling and then attached / fixed to the selected hanger.

The secondary cross-section CD profiles to be fixed to the main CD profiles by Cross-wise connector.



C 2-1 / C 2-2 / C 2-3 / C 2-4

Suspension and metal frame for C 2-1 / C 2-2 / C 2-3 / C 2-3

Marking and fixing of the hangers with Ceiling Ancor 6x40 / 60 to the main ceiling, according to the selected planning scheme.

The centers of the main CD profiles must be leveled and then attached / fixed to the selected hanger.

The supporting profiles

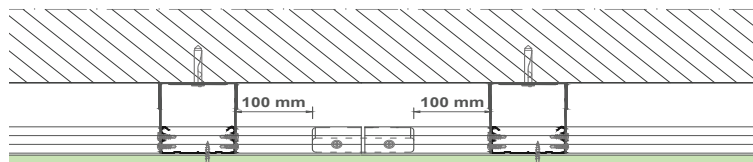
The connection of the main and supporting channels at the intersection points to be with CD cross connector.

Movement or Expansion Control Joints

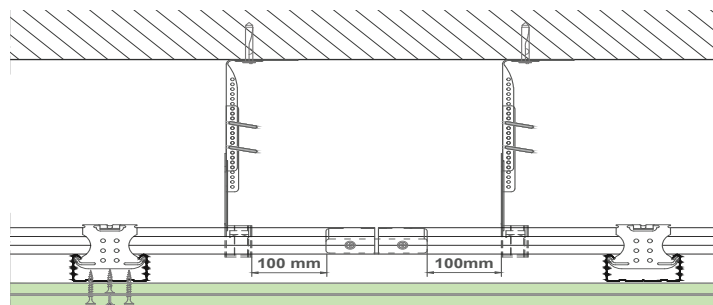
Form Expansion gap detail L04' in the case of ceiling areas exceeding approx. 10 m in length.

Form the same detail where the suspended ceiling cross a movement joint in the main structure.

Extention of CD 60 profiles with CD Longitudinal connector



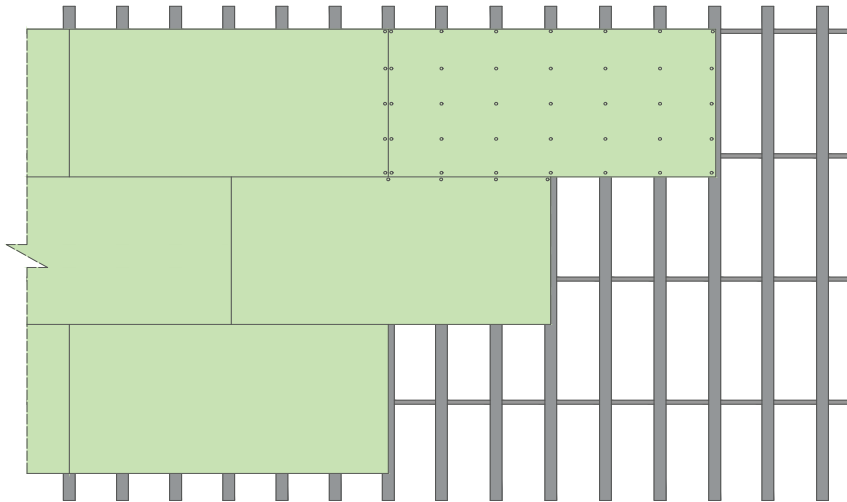
C 1-1 / C 1-2



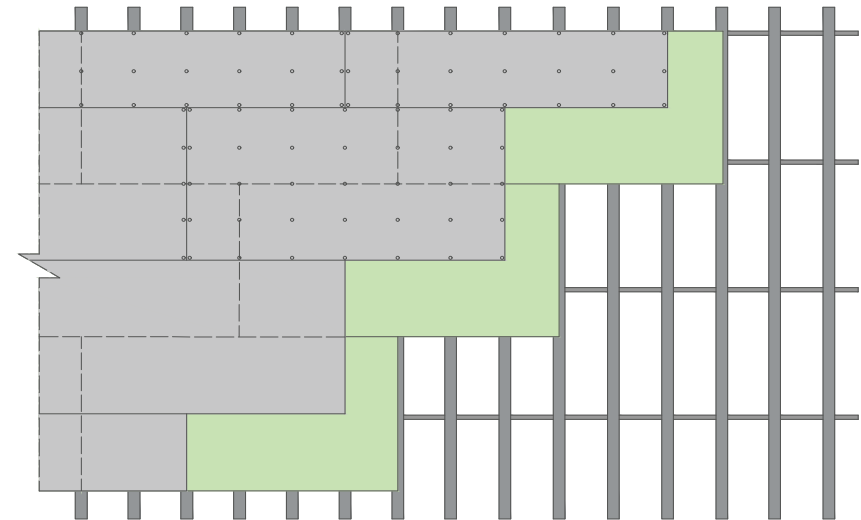
C 2-1 / C 2-2 / C 2-3 / C 2-4

CLADDING PATTERN

First / Third Layer



Second / Quadruple Layer



Screw Types

Drywall screw TN 3.5 x 25/35/45/50 or 4.2/70 with sharp point for grid with thickness of the metal profiles < 0.7 mm.

Self-drilling screw TB 3.5 x 25/35/45/50 with self-drilling point for grid with thickness of the metal profiles 0.7 ÷ 2.0 mm.

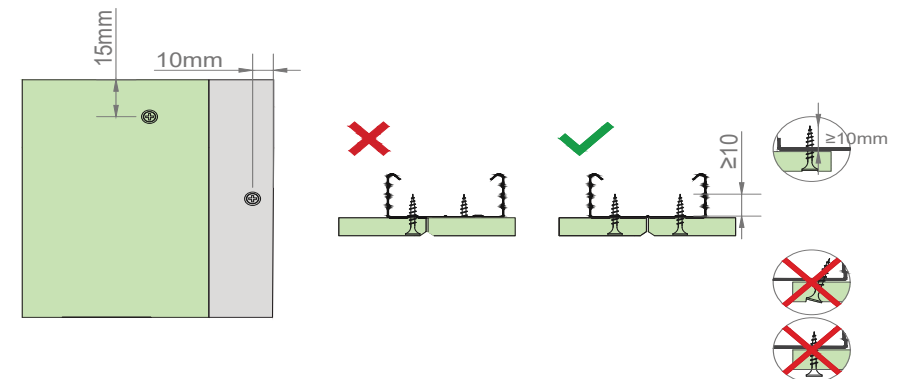
Screw length selection

Thickness of the board	1st Layer	2nd Layer	3rd Layer	4th Layer
12.5 mm	3.5 x 25	3.5 x 35	3.5 x 55	4.2 x 70
15.0 mm	3.5 x 25	3.5 x 45	3.5 x 55	4.2 x 70

Distance Between the Screws

Cladding	1st Layer	2nd Layer	3rd Layer	4th Layer
Single Layer	200	x	x	x
Double Layer	400	200	x	x
Triple Layer	400	400	200	x
Quadruple	400	400	200	200

The screw head should penetrate 1 mm below the surface of the board.
The mounting direction of the boards must begin from the open part of the CW flange and continue in the direction of its base.



SURFACE QUALITY LEVELS

According to Eurogypsum's classification – European federation of the gypsum product manufacturing industry. Developed and established, the 4 levels of quality finish classification for plasterCladding aims to provide clear definitions thus helping to reduce subjective judging of the end result.

Surface Quality Level	Aesthetic requirements	Finish surface suitability	Application	Suitable Product
Q1 (basic)	For surfaces without aesthetic requirements.	Ceramic tiles, decorative relief plasters with a thickness of more than 2 mm, etc. Corridors and ceilings of service rooms.	Filling the joints and reinforcing with tape. Filling the screw heads. In multi-layer systems and without fire protection requirements, the transition layers do not have to be reinforced with tape.	FUGA FUGA hydro FUGA & FINISH Light
Q2 (standard)	Standard level of completion.	Laying wallpaper with a medium or rough structure. Matt disperse and other paints with filler, which are applied with an ordinary paint roller. Decorative thin-layer plasters or skim coats with a thickness of 1 mm.	Fully finished and dried level Q1. Skimcoating and widening of the joint area to achieve a smooth transition of the surface. Laying a second layer on the screw heads. Forming internal and external corners. If necessary, polish the areas with fine sandpaper.	FUGA FUGA hydro FUGA & FINISH Light
Q3 (high)	High level - some shading still possible.	Laying thin and fine wallpaper Matt disperse and other paints with filler, which are applied with an ordinary paint roller. Decorative thin-layer plasters or skim coats with a thickness of 1 mm.	Fully finished and dried level Q2. Fine complete skimcoating of the surface, including, if necessary, polishing with fine sandpaper. Rough areas and imperfections are not allowed, but are not excluded.	SATEN FUGA & FINISH Light
Q4 (premium)	Premium end - minimised appearance of marks and traces.	Surfaces with requirements for extremely high surface quality. Surfaces to be treated with glossy paints and coatings. Premises with spot or bright light.	Fully finished and dried level Q2. Fine complete skimcoating of the surface with a layer <3 mm. Mandatory thorough inspection of the entire surface with directional LED light and polishing with fine sandpaper. Rough sections and imperfections are not allowed.	SATEN FUGA & FINISH Light

Additional Information

Untreated joints and surfaces are suitable for temporary construction or when the finishcoat has not been determined.

Quality level Q2 does not ensure that marks and spots under the finishing layer will not be visible, particularly under bright or shallow light. These effects can be reduced by continuing with the next level Q3, which includes a thorough coating of the entire plasterboard surface.

If the finishing level of the surface is not specified, then by default quality level Q2 is accepted as sufficient.

It is important to note that quality level Q3 allows partly transparent areas in the jointing between the plasterboards especially under the effect of bright shallow light or in case of glossy finishing. If higher demands are made on quality of the finished surface we recommend the next quality level Q4.

JOINT TREATMENT

Application Conditions

The premise and substrate temperature must not be lower than 8 ° C and must be kept constant for at least 2 days before the joints are treated. Sudden temperature changes when ventilating the premises must be prevented. The flatness and quality of the installation of the boards must also be checked. In the presence of poorly screwed screws, they must be tightened to ensure the flatness of the plasterboard surface. Correct screws to be used with screw head just below the board surface.

Level Q1

First coat of Technogips Pro joint filler should be applied with joint knife of sufficient width beyond both sides of the center of the joint. Technogips Pro joint tape should be embedded into the joint filler to reinforce the joint between two boards.

Applying a second thin coat of the joint filler to level the joint with a width of approx. 80 mm

The visible screw heads should be also filled in.

In multi-layer systems and no fire protection requirements, the lower layers do not have to be reinforced with tape. In the case of fire protection systems, the reinforcement of the joints of all layers with joint tape is mandatory.

Level Q2

To be able to continue with level Q2 – aligning the joint area with continuous transition to the board surface, the absolutely necessary requirement is the first layer, level Q1 to be completely dried (this could take up to 24 hours). A thin leveling coat is applied on the joint with a width of approx. 300 mm for tapered (TE) edging and approx. 400 mm for square (SE) edging. This is sufficient to ensure a continuous gradual transition from the joint to the wallboard surface. The screw heads to be covered with second coat of the compound.

The inner and outer corners should be formed. The outer corners must be formed with an Aluminum angle bead, which must be fixed and leveled with small part of the compound. For a stronger connection and maximum protection against cracks, additional reinforcement with fiberglass tape is recommended at the transition between the corner and the plasterboard. The inner corners to be reinforced with paper tape and compound.

Level Q3

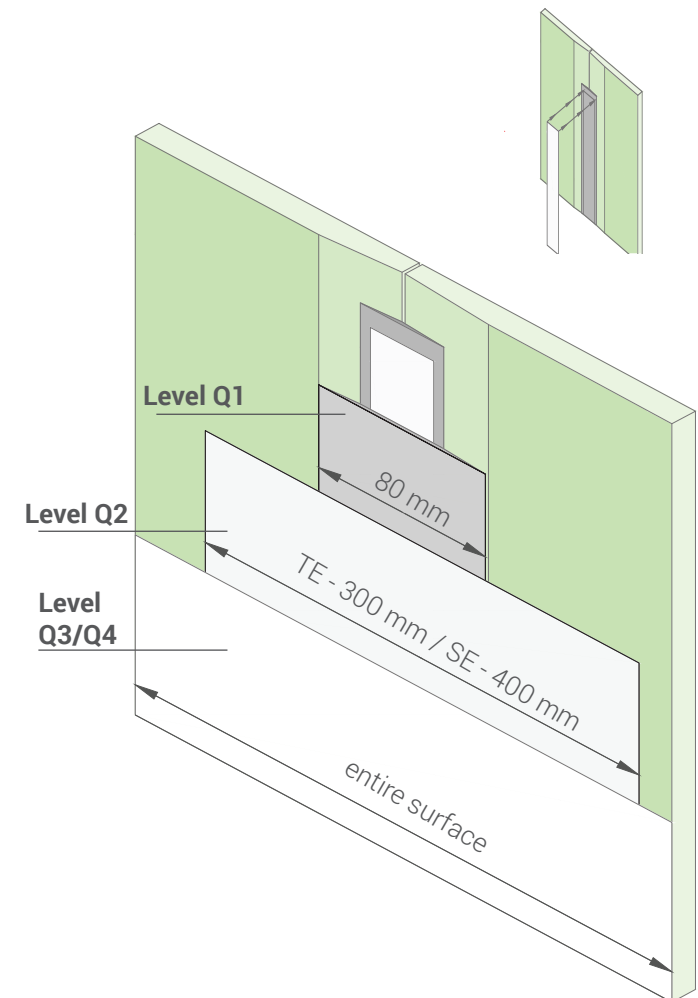
To be able to continue with level Q3 – complete skim coating of the surface, the absolutely necessary requirement is the previous stage, level Q2 to be completely dried (this could take up to 8 hours). With rectilinear moves, holding the drywall trowel under 30°, with rectilinear moves spread a thin layer of the compound. Typically, one or two moves are sufficient to even up all physical ridges and grooves, adding more of the mixture if necessary.

If needed, the surface could be smoothed with fine sandpaper after complete drying of the skim coat.

Level Q4

It is mandatory that the previous layer - level Q2 (Q3) is finished and dry (takes no more than 24 hours). A thin layer (no more than 3 mm) of the compound to be applied over the entire surface of the wall. Then smooth the surface using a skimming spatula.

After the wall is completely dry, all imperfections must be smoothed with fine sandpaper. Using LED floodlight will help you spot them easily.



Blue Board Type GMFH1IR

Premium Board for Interior and Exterior Application



Class A1
non-combustible board



Fire reaction: Class A1
Non combustible and fire
resistance - Type F



Resistance to intensive humidity,
condensation, mold and mildew - Type H1



Exceptional strength and
dimensional stability - Type R



Impact and scratch resistant - Type I

Blue Board Type GMFH1IR is a high performance board for interior and exterior application, a part of Technogips Pro system solutions for:

- Facade walls with conventional render finish or ETICS composite system
- Facade walls with decorative cladding, with or without ventilation space
- Facade lining of eaves or soffits.
- Interior suspended ceilings, partition walls or shaft walls in spaces with intensive high humidity, incl. condensation.

Easy to work with - no special tools necessary, other than the standard ones for dry construction.





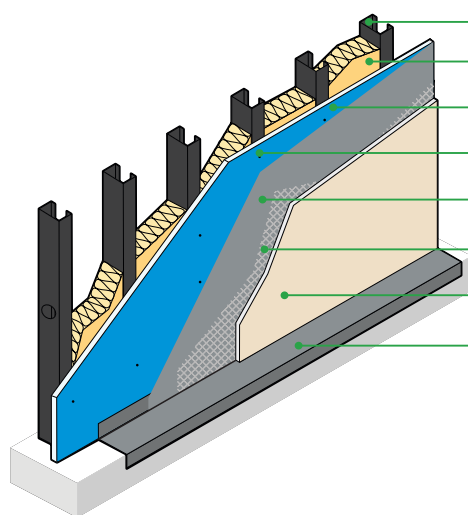
SAFETY AND DURABILITY OF THE CONSTRUCTION

Depending on the environmental conditions (possibility or presence of condensation in places with swimming pools, places with chemical pollutants, partition walls and linings near coastal areas or in industrial facilities, etc.) it is recommended to use special profiles and accessories reinforced with additional anti-corrosion coating. Providing high level protection against corrosion guarantees that the metal stud frame of the system solution will remain unaffected by an aggressive environment for a long period of time.

More protection and long service life of the construction with the special Technogips Pro Premium Profiles and accessories with anti-corrosion coating C4 or C5 depending on the application areas and environmental conditions.

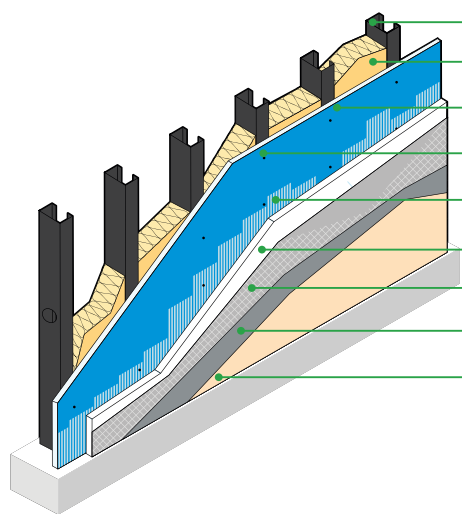
Category for Protection Against Corrosion, acc. EN ISO 12944-2	Aggressive Environment Examples		Technogips Pro Products with Anti-corrosion Coating
	External	Internal	
Class C3 Medium Level of Protection	Urban and industrial atmospheric conditions with moderate levels of air pollutants, coastal areas with low levels of salt content.	Production areas with high levels of moisture and moderate levels of air pollutants e.g. milk processing areas, breweries, laundries, food production facilities.	CD 60 and UD 27 Super Premium C4 Profile CW and UW Super Premium C4 Profile Blue Board screw TB 3.9x30 Super Premium C5 Drywall Screw TN 3.5x25 Super Premium C5 Self-drilling Screw TB 3.5x25 Super Premium C5 Drywall Screw TEX LB 4.2x13 Super Premium C5 Adjusting Bracket 125 Super Premium C5 Nonius Hanger - Bottom Part Super Premium C5 CD Cross Connector Super Premium C5 CD Connector Super Premium C5
Class C4 High Level of Protection	Industrial zones, coastal areas with moderate levels of salt in the air.	Spaces where condensation is frequent, with high levels of air pollutants caused by manufacturing processes, e.g. industrial facilities, places with swimming pools, public changing rooms and shower rooms.	
Class C5 Highest Level of Protection	Industrial zones, coastal areas and buildings near the beach with high levels of salt in the air.	Buildings and areas subject to constant condensation, intense humidity and high levels of pollutants e.g. sea water or thermal baths.	CD 60 and UD 27 Super Premium C5 Profile CW and UW Super Premium C5 Profile Blue Board screw TB 3.9x30 Super Premium C5 Drywall Screw TN 3.5x25 Super Premium C5 Self-drilling Screw TB 3.5x25 Super Premium C5 Drywall Screw TEX LB 4.2x13 Super Premium C5 Adjusting Bracket 125 Super Premium C5 Nonius Hanger - Bottom Part Super Premium C5 CD Cross Connector Super Premium C5 CD Connector Super Premium C5

FACADE WALL WITH RENDER FINISH



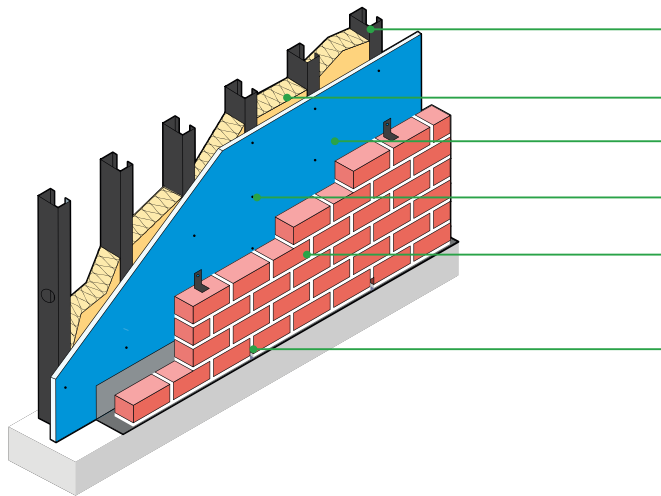
- Super Super Premium Profiles CW/UW 50/75/100/125/150 with anti-corrosion coating class C4 or C5 depending on the application area
- Mineral insulation, according to project requirements
- Blue Board GMFH1IR
- Blue Board screw TB 3.9x30 Super Premium C5
- Cement-based adhesive or skim coat with thickness of 3-5 mm
- Render reinforcement mesh
- Render finish
- Flashing if needed

FACADE WALL with ETICS COMPOSITE SYSTEM



- Super Super Premium Profiles CW/UW 50/75/100/125/150 with anti-corrosion coating class C4 or C5 depending on the application area
- Mineral insulation, according to project requirements
- Blue Board GMFH1IR
- Blue Board screw TB 3.9x30 Super Premium C5
- Cement-based adhesive
- ETICS insulation layer - stone wool, eps, xps
- Render reinforcement mesh
- Cement-based adhesive or skim coat with thickness of 3-5 mm
- Render finish

FACADE WALL WITH DECORATIVE CLADDING



Super Super Premium Profiles CW/UW 50/75/100/125/150 with anti-corrosion coating class C4 or C5 depending on the application area

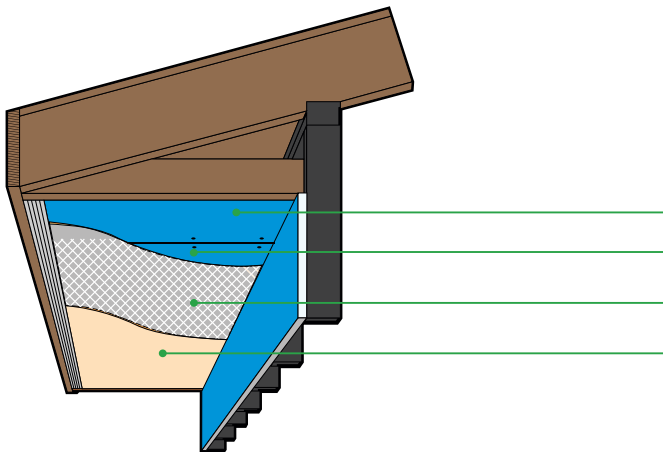
Mineral insulation, according to project requirements

Blue Board GMFH1IR

Blue Board screw TB 3.9x30 Super Premium C5

Ventilated facade with ceramic or stone coatings with additional angle brackets to the vertical CW profiles or siding with sealed joints.

Weep Holes



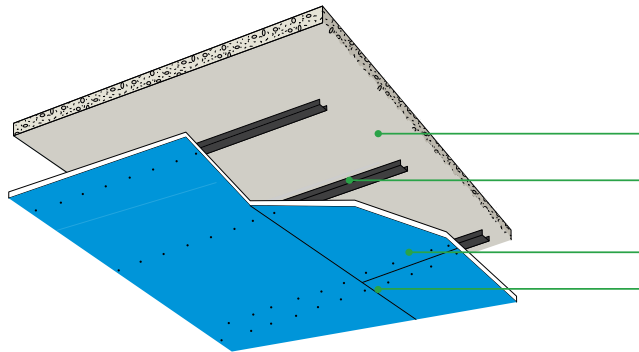
FACADE LINING OF EAVES

Blue Board GMFH1IR

Blue Board screw TB 3.9x30 Super Premium C5

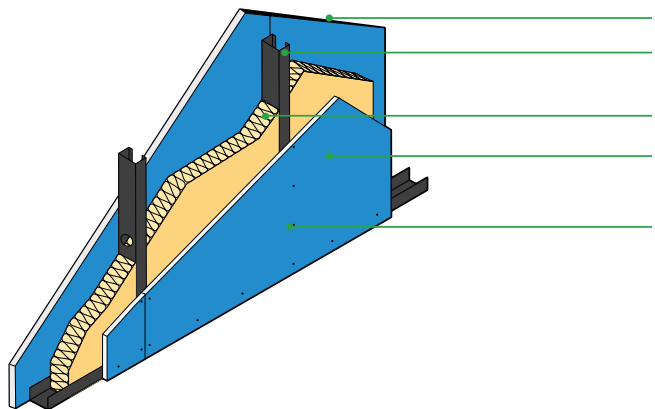
Cement-based adhesive or skim coat with thickness of 3-5 mm
Render reinforcement mesh

Render finish



FACADE LINING of SOFFIT

- Main ceiling
- Super Premium Profiles CW/UW 50/75/100/125/150 with anti-corrosion coating class C4 or C5 depending on the application area
- Blue Board screw TB 3.9x30 Super Premium C5
- Blue Board GMFH1IR



PARTITION WALL / SUSPENDED CEILING in WET AREAS

- Blue Board GMFH1IR.
- Super Premium Profiles CW/UW 50/75/100/125/150 with anti-corrosion coating class C4 or C5 depending on the application area
- Mineral insulation, according to project requirements
- Blue Board GMFH1IR.
- Blue Board screw TB 3.9x30 Super Premium C5



GENERAL INFORMATION

- The Blue Board should be transported vertically upright along the length of the factory edge.
- Until the installation, the Blue Board should be stored on pallets and protected from moisture and weathering. In case any humidification occurs before the installation process, complete drying of the board must be ensured.
- The boards are cut in the desired shape and size with a standard utility knife, similar to regular plasterboard, without the need for an electric circular saw.

INSTALLATION OF THE METAL STUD FRAME

Facade Walls:

- Super Super Premium Profiles CW / UW 50/75/100/125/150 with anti-corrosion coating class C4 or C5 depending on the application area.
- Installation of the peripheral CW/UW profiles to the enclosing structure with Nail plug 6x40/60 @ max. 500 mm axial distance. The back side of the peripheral horizontal UW profiles and the end vertical CW profiles which are in direct contact with the surrounding structures need to be insulated with an Acoustic foam tape for better sound insulation. The width of the Acoustic foam tape is based on the width of the profile used.

Render finish:

- Installation of vertical CW profiles fixed at a distance of 600 mm and vertical installation of the plasterboard
- **ETICS composite system:** Installation of vertical CW profiles fixed at a distance of 400 mm and vertical installation of the plasterboard.
- Mineral insulation according to project requirements.

For higher buildings the construction should be calculated according to the current norms and with limitation of deformability of max. $f=l/500$, including the effect of wind (pressure and suction) depending on the height and geometric characteristics of the building.



Facade Lining of Eave:

- One-level construction using Premium profiles CD 60/ UD 27 with anti-corrosion coating class C4 or C5 depending on the application area - for eaves up to 600 mm wide.
- Two-levels construction using Premium profiles CD 60/ UD 27 and Nonius hanger with anti-corrosion coating class C4 or C5 depending on the application area - for eaves from 600 to 1000 mm wide.
- Installation of the peripheral UD 27 profiles to the enclosing structure with the suitable fasteners at max. 500 mm axial distance. The back side of the peripheral UD 27 profiles which are in direct contact with the surrounding structures need to be insulated with an Acoustic foam tape 30 for better sound insulation.

Facade Lining of Soffit:

- Two-level construction using Premium profiles CD 60/ UD 27 and Nonius hanger with anti-corrosion coating class C4 or C5 depending on the application area.
- Installation of peripheral UD 27 profiles to the enclosing structure with the suitable fasteners at a max. 500 mm axial distance.
- Distance between the main CD 60 profiles - 750 mm. The first main profiles should be at least 150 mm from the main structure.

- Distance between the mounting CD 60 profiles - 400 mm. The first mounting profiles should be at least 100 mm from the main construction.
 - Distance between Nonius hangers - 600 mm. The first hanger should be at least 250 mm from the main structure.
 - Installation of the Nonius hanger to the main construction must be performed with a Ceiling anchor 6x40/60.
- * The calculation is based on 0.50 kN/m2. wind load.

Partition Wall / Suspended Ceiling in Wet Areas:

- Premium profiles with anti-corrosion coating class C4 or C5 depending on the application area.
- Installation of the construction according to specifications for interior walls/ ceilings.
- Maximum weight for wall cladding with ceramic tiles and adhesive - 30 kg/m2.
- Mineral wool insulation according to project requirements.



CLADDING

The screws should be fixed at a distance of 13-15 mm from the edges of the board. Joint crossing is not allowed.

Facade Walls:

- Blue Board installed vertically (for buildings up to 10 m tall) or horizontally (for buildings up to 21 m tall).
- The first row of plasterboard at Ground Level should be protected with the appropriate waterproofing and drainage from atmospheric water or should be installed above a skirting board no less than 300 mm in height.
- Fixing the Blue Board plasterboard to the vertical CW profiles using Blue Board drywall screw 3.9x30 at a max. 150 mm axial distance. The screw heads should be screwed to the surface of the board without overfastening them.
- The vertical joints between the boards should be spaced at least 2 CW profiles axial distance.

Eaves / Soffits:

- The Blue Board should be fixed cross to the mounting profiles using Blue Board drywall screw 3.9x30 at a max. 100 mm axial distance.

Interior Walls and Ceilings:

- Installation of the structure according to specifications for interior walls/ ceilings.

Expansion or Movement Control Joints:

- Joint between two Blue Board plates 2-3 mm
- Joint between the Blue Board plate and the enclosing structure 15 mm
- Expansion / movement control joint at every 15 m.

JOINT TREATMENT AND FINISH COAT

The method for joint filling depends on the purpose of application of Blue Board :

Facade Wall and Eave Lining/ Soffit with Render Finish:

- When applying a render finishing system immediately after the installation of the Blue Board, no treatment of the joints is required.
- The entire surface is finished with cement-based adhesive or reinforcement mortar (3-5 mm layer) and is reinforced with render reinforced mesh and the overlapping of the individual sections of mesh should be at least 100 mm.
- Door and window openings are reinforced with additional pieces of mesh at an angle of 45°.
- All the necessary facade accessories such as angle beads, drip edge profile, etc.
- A thin layer of plaster is applied according to manufacture's instructions.

Facade Walls with ETICS composite system:

- When applying ETICS composite system immediately after the installation of the Blue Board plasterboard, no treatment of the joints is required.
- A thermal insulation cement-based adhesive is applied over the Blue Board, according to the requirements of the chosen ETICS composite system.
- The thermal insulation boards are glued to the base and fixed to the vertical CW profiles and the middle part of the board with the suitable mechanical plugs, according to the height of the building and the requirements of the chosen ETICS composite system.
- The thermal insulation boards are finished and reinforced according to the requirements of the chosen ETICS composite system.
- A thin layer of plaster is applied according to manufacture's instructions.

Important Information:

- In case there are any airtightness requirements, all joints are filled with PU adhesive for facade application or with silicone mastic sealant.
- Cladding with Blue Board does not constitute a finished surface! Blue Board and the finished joints are resistant to normal weather conditions for a period of 6 months but are not resistant to direct contact with water for long periods of time. Rainwater should be directed away from the lining.
- When the finishing coat cannot be applied immediately after Blue Board is installed, it is required that the joints be filled with elastic cement-based adhesive or render mortar and reinforced with glass-fibre joint tape with a width of at least 100 mm. This creates a hydrophobic barrier which will protect the boards from the weather conditions for 6 months.
- When Blue Board is used for angled facade walls, this part of the wall should be temporarily protected from atmospheric conditions by using a waterproof barrier before applying the finishing cladding.

Interior Walls and Suspended Ceilings:

- The joints between the Blue Board should be reinforced with glass-fibre joint tape and filled with FUGA Hydro - moisture resistant joint filler.
- For partition walls and wall linings in areas with direct contact with water, the application of a waterproof system is required, before finishing with the ceramic cladding.
- For suspended ceilings, it is enough to finish the entire surface with FUGA Hydro, before applying any decorative coating.



Blue Board Type GMFH1IR

Premium board for facade systems using the methods of dry construction. Suitable for interior application in premises with high levels of humidity.

Classification acc. EN 15283-1:2008 Type GMFH1IR, acc. EN 520, Type DFH1IR

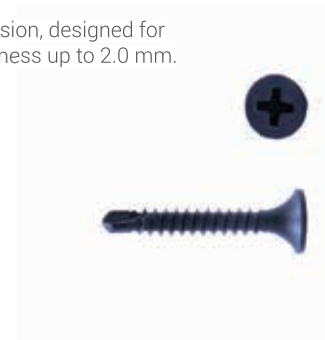
Dimension: 12.5x1200x2000/2400 mm
Weight: 11.5 kg/m²
Edge: TE (square)
Reaction to fire: A1
Thermal conductivity: 0.23 W/(m.K)
Package: 40 boards/pallet



Self-drilling Screw TB 3.5x25 mm Super Premium Profile C5

Self-drilling screw with high resistance against corrosion, designed for fixing plasterboard to metal profiles with metal thickness up to 2.0 mm.

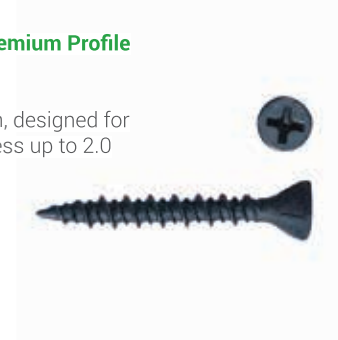
Dimensions: 3.5x25 mm
Anti-corrosion coating: C5
Reaction to fire: A1
Packaging: 1000 screws/box



Blue Board Drywall Screw TB 3.9x30 mm Super Premium Profile C5

Drywall screw with high resistance against corrosion, designed for fixing Blue Board to metal profiles with metal thickness up to 2.0 mm.

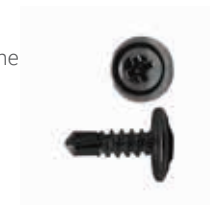
Dimensions: 3.9x30 mm
Anti-corrosion coating: C5
Reaction to fire: A1
Packaging: 1000 screws/box



Drywall Screw TEX LB 4.2x13 mm Super Premium Profile C5

Drywall screw with high resistance against corrosion, designed for for jointing metal profiles or for fixing direct suspension hanger to the profile CD 60

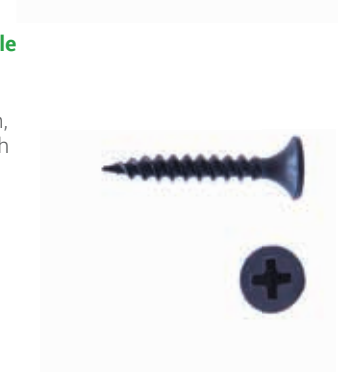
Dimensions: 4.2x13 mm
Anti-corrosion coating: C5
Reaction to fire: A1
Packaging: 1000 screws/box



Drywall Screw TN 3.5x25 mm Super Premium Profile C5

Drywall screw with high resistance against corrosion, designed for fixing plasterboard to metal profiles with metal thickness up to 0.7 mm.

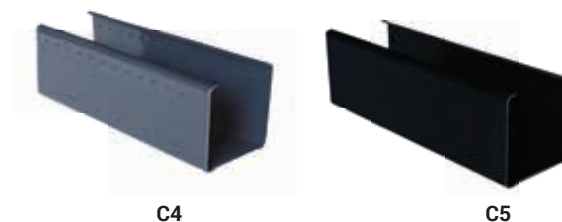
Dimensions: 3.5x25 mm
Anti-corrosion coating: C5
Reaction to fire: A1
Packaging: 1000 screws/box



CW 50 / 75 / 100/ 125 / 150 Super Premium Profile

Premium profile with high resistance against corrosion for the construction of interior and exterior walls and wall linings.

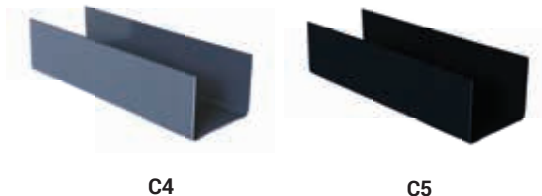
Length: 3000 mm
Anti-corrosion coating: C4 (grey coating) or C5 (black coating)
Reaction to fire: A1



UW 50 / 75 / 100/ 125 / 150 Super Premium Profile

Premium profile with high resistance against corrosion for the construction of interior and exterior walls and wall linings.

Length: 3000 mm
Anti-corrosion coating C4 (grey coating) or C5 (black coating)
Reaction to fire: A1

**Adjusting Bracket 125/0.9mm Super Premium C5**

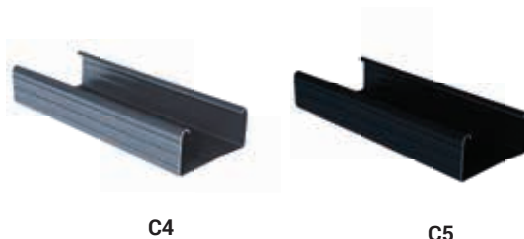
Adjusting bracket with high resistance against corrosion for direct suspension of CD 60 profile to solid walls and ceilings.

Recommended load-bearing capacity: 0.4 kN
Suspension length: 125 mm
Anti-corrosion coating: C5 (black coating)
Reaction to fire: A1
Packaging: 100 pcs/box

**CD 60 Super Premium Profile**

Premium profile with high resistance against corrosion for the construction of interior and exterior suspended ceilings and linings.

Length: 3000 mm
Anti-corrosion coating C4 (grey coating) or C5 (black coating)
Reaction to fire: A1

**Nonius Hanger - Bottom Part/1.0mm Super Premium C5**

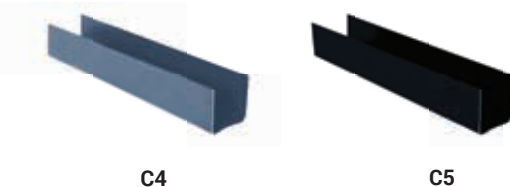
Nonius hanger set (bottom part, upper part and bracket) with high resistance against corrosion for direct suspension of CD 60 profile to solid ceilings.

Load-bearing capacity: 40 kg
Suspension length: 340/440/540/940 mm
Anti-corrosion coating: C5 (black coating)
Reaction to fire: A1

**UD 28 Super Premium Profile**

Premium profile with high resistance against corrosion for the construction of interior and exterior suspended ceilings and linings.

Length: 3000 mm
Anti-corrosion coating: C4 (grey coating) or C5 (black coating)
Reaction to fire: A1

**CD Cross Connector/0.9 mm Super Premium C5**

CD cross connector with high resistance against corrosion for securing a strong cross-tie between the load carrying and fastened CD 60 profile in constructing double level suspended ceilings.

Anti-corrosion coating: C5 (black coating)
Reaction to fire: A1
Packaging: 100 pcs/box



CD Connector/0.5 mm Super Premium C5

CD connector with high resistance against corrosion for securing and elongation of CD 60 profiles.

Anti-corrosion coating: C5 (black coating)

Reaction to fire: A1

Packaging: 100 pcs/box



Glass-fibre Joint Tape

Glass-fibre joint tape for reliable reinforcement of plasterboard joints in indoor Wet Areas with high resistance against mold and mildew.

Length: 25 m

Width: 50 mm

Packaging: 26 rolls/box



FUGA Hydro Moisture-resistant Joint Filler

Moisture resistant joint filler for skim coating and jointing in indoor Wet Areas.

Surface water absorption: < 5%

Reaction to fire: A1

Packaging: 5 kg



Acoustic Tape

Self-adhesive acoustic tape for sealing the space between peripheral profiles. The width of the acoustic tape should be consistent with the type of the metal profile used.

Length: 30 m

Width: 30 / 45 / 65 / 95 mm

Packaging: 34 / 20 / 14 / 10 rolls/box





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