

FIBRAN_{xps} ETICS GF



DESCRIPTION:

FIBRAN_{xps} **ETICS GF**, is a waterproof thermal insulation board made of extruded polystyrene, having a rough (waffle) surface for good application of mortar or adhesives.

APPLICATION:

Thermal insulation gives unconditional protection in humid environment or under extremely heavy mechanical load.

- Thermal protection of interior wall surfaces
- Thermal protection of exterior wall surfaces
- Thermal protection of facade plinths (bottom of the facade)
- Thermal insulation of window and door edges, corners

QUALITY:

Products are tested in accordance with:

- EN 13164
- EN 13501-1
- EN ISO 11925-2: 2002

At the following notified laboratories:

- ZAG Ljubljana
- FIW Munchen
- MPA BAU Hannover



ENVIRONMENT PROTECTION:

- Products FIBRAN_{xps} are produced with environmentally friendly blowing agents
- 100% recyclable

TECHNICAL CHARACTERISTICS:

XPS - EN 13164 - T3 - CS(10\Y)* - TR400 - DS(TH) - DLT(2)5 - WL(T)1,5 - FT2

Thickness [mm]	Width [mm]	Length [mm]	Boards in a package [pieces]	Quantity in a package [m ²]	Packages on a pallet [pieces]	Quantity on a pallet [m ²]	Thermal conductivity λ_D [W/mK]	Thermal resistance Rd [m ² K/W]	*Declared compressive strength at 10% deformation CS(10\Y)i [kPa]
20**	600	1250	20	15,00	12	180	0,033	0,60	200
30	600	1250	14	10,50	12	126	0,033	0,90	250
40	600	1250	10	7,50	12	90	0,034	1,15	250
50	600	1250	8	6,00	12	72	0,034	1,45	300
60	600	1250	7	5,25	12	63	0,035	1,70	300
80	600	1250	5	3,75	12	45	0,035	2,25	300
100	600	1250	4	3,00	12	36	0,035	2,85	300
120	600	1250	3	2,25	14	31,5	0,036	3,30	300
140	600	1250	3	2,25	12	27	0,038	3,65	300
160	600	1250	2	1,50	16	24	0,040	4,00	300

** board with "I" cut

- Modul of elasticity: **15 MPa**
- Fire classification: **E**
- Temperature of use: from **-50°C** to **+75°C**
- Coefficient of linear thermal expansion: **0,06 - 0,08 mm/mK**

DESIGNATION CODE under EN 13164:

- **XPS** - abbreviation for EXTRUDED POLYSTYRENE
- **EN 13164** - number of the European standard for extruded polystyrene thermal insulation material
- **Ti** - declared class for thickness tolerance
- **CS(10\Y)** - declared level for compressive strength at 10% deformation
- **TRi** - declared level for tensile strength perpendicularly to the surface
- **DS(TH)** - declared value for dimensional stability under specified temperature and humidity
- **DLT(i)5** - declared level of deformation under specified compressive load and temperature conditions
- **WL(T)i** - declared level for long-term water absorption by total immersion
- **WD(V)i** - declared level for water absorption by diffusion
- **MUi** - declared level for water vapor diffusion resistance factor
- **FTi** - declared level for freeze thaw resistance