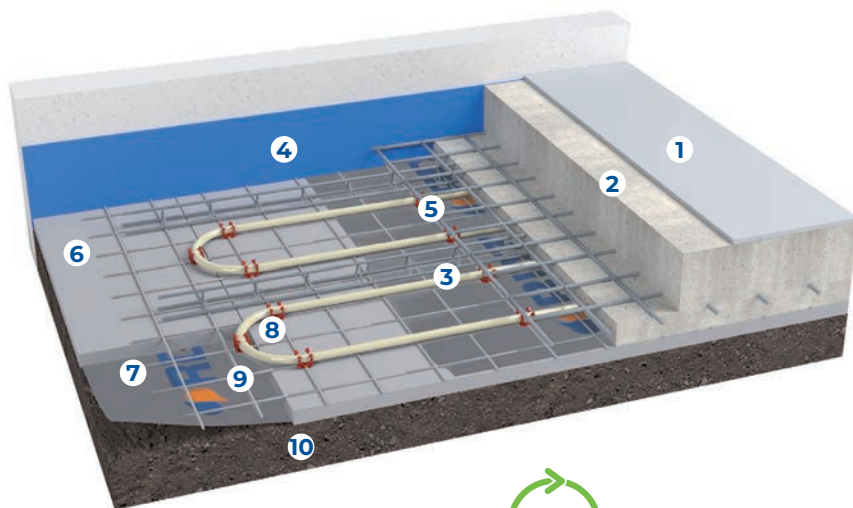


TECHNICAL DATA SHEET



Extruded polystyrene foam insulation board produced using environmentally friendly, CFC- and HCFC-free gases, in accordance with European regulation EC 2037/2000, with thermoplastic properties and a closed-cell structure, which gives the product excellent thermal and mechanical properties. The panel has excellent insulating properties and thanks to its low thermal conductivity and therefore high thermal resistance, it provides optimal thermal insulation, allowing for high energy savings.



- 1 Quartz
- 2 Screed
- 3 Tech Ø20 / Ø25 mm pipe
- 4 Industrial perimeter belt
- 5 Reinforced mesh
- 6 700 KPa Extruded Panel
- 7 Nylon
- 8 Clip Industry
- 9 Electro-welded wire mesh Ø 6 mm
- 10 Fixed rolled screed



The product complies with the Minimum Environmental Criteria (CAM).

| Size (mm) | Code |
|-------------|---------|
| 1250x600x60 | 1170160 |

| FEATURES | SYMBOL | VALUE | UNIT | STANDARD |
|--|--------------|-----------|-----------|------------|
| Necessary Length | L1 | 1250 ± 8 | mm | EN 822 |
| Necessary Width | W1 | 600 ± 3 | mm | EN 822 |
| Total Thickness | T4 | 50 ± 3 | mm | EN 823 |
| Compressive stress at 10% deformation | CS(10\Y) | 700 | kPa | EN 826 |
| Creep - Compressive load with continuous stress 2% | CC(2/1,5/50) | 250 | kPa | EN 1606 |
| Thermal conductivity at 10 °C | λ_d | 0,033 | W/(m·K) | EN 12667 |
| Thermal resistance | R_d | 1,80 | (m²·K)/W | EN 13163 |
| Long term water absorption by diffusion | WD(V) | 2 | Vol. % | EN 12088 |
| Long-term water absorption by total immersion | WL(T) | 0,7 | Vol. % | EN 12087 |
| Dimension stability (70°C, 90% r.h.) | | DS(70,90) | Class | EN 1604 |
| Water vapour resistance factor | μ (MU) | 150 | | EN 12086 |
| Deformation under specific load and temperature conditions | | DLT(2)5 | Class | EN 1605 |
| Reaction to fire | | E | Euroclass | EN 13501-1 |
| Tensile strength perpendicular to the faces | | TR200 | Kpa | EN 1607 |
| Freeze-thaw resistance | | FTCD1 | Vol % | EN 12091 |
| Max operating temperature | | 70 | °C | |
| Weight | | 1900 | g | |
| Specific heat | C | 1450 | J/kg·K | EN 10456 |
| Declaration according to UNI EN 13164 | | | | |
| Class: 700 | | | | |
| Unique identification code: XPS-UNI EN 13164:2015-T1-CS(10\Y)700-DLT(2)5-DS(70,90)-WL(T)0,7-WD(V)2-FTCD1-MU150 | | | | |

