

Technical data sheet

RAVATHERM™ XPS X SHAPE BL

XENERGY™ GRP

| Thermal resistance R _D | | Thickness(mm) | 30 | 40 | 50 | 60 | 70 | 80 | 100 | | | |
|--|-----------|------------------------------------|---|------|--------------------|------|-------------------|----------|------------|---------|----------------|--|
| | | R _d m ² .K/W | 1.00 | 1.35 | 1.65 | 1.95 | 2.25 | 2.60 | 3.20 | | | |
| Properties | | | Value | | | Unit | | Standard | | CE Code | | |
| Density (typical) | | | 32 | | | | kg/m ³ | | EN 1602 | | | |
| Thermal Conductivity Declared (λ _D) | | | 0.030 0.031 | | < 60 mm ≥ 60 mm | | W/m.K | | EN 13164 | | λ _D | |
| Compressive stress or compressive strength@ 10% deformation | | | 200 | | | | kPa | | EN 826 | | CS(10\Y) | |
| Modulus (typical values) | | | - | | | | MPa | | EN 826 | | | |
| | | | - | | | | MPa | | EN 826 | | | |
| | | | - | | | | MPa | | EN 826 | | | |
| Compressive Creep max after 50 years < 2% deformation under stress σ _C | | | NPD | | | | kPa | | EN 1606 | | CC(2/1.5/50)σ | |
| Water vapour diffusion resistance factor μ (tabulated value) | | | 150 | | | | - | | EN 12086 | | MU | |
| Long term water absorption by total immersion | | | NPD | | | | % | | EN 12087 | | WL(T) | |
| Water pick-up by diffusion | | | NPD | | | | % | | EN 12088 | | WD(V) | |
| | | | - | | | | % | | | | WD(V) | |
| | | | - | | | | % | | | | WD(V) | |
| Water pick up after Freeze Thaw | | | NPD | | | | % | | EN 12091 | | FTCD | |
| Dimensional stability under specified temperature (70°C) and humidity conditions (90%rh) | | | < 5 | | | | % | | EN 1604 | | DS(70,90) | |
| Dimensional stability under specified compressive load (40kPa) and temperature (70°C) conditions | | | NPD | | | | | | EN 1605 | | DLT(2)5 | |
| Coefficient of linear thermal expansion (typical value) | | | 0.07 | | | | mm/(m.K) | | - | | - | |
| Fire performance | | | E | | | | Euroclass | | EN 13501-1 | | | |
| Temperature limits | | | -50/+75 | | | | °C | | - | | | |
| Tolerances | Thickness | -1.5/+1.5 | | | | | mm | | EN 823 | | T2 | |
| | Width | -3/+3 | | | | | mm | | EN 822 | | | |
| | Length | -10/+10 | | | | | mm | | EN 822 | | | |
| Dimensions | Thickness | 30 - 100 | | | | | mm | | EN 823 | | | |
| | Width | 600 | | | | | mm | | EN 822 | | | |
| | Length | 2500 | | | | | mm | | EN 822 | | | |
| Edge profile | | | Ship Lap on the long sides and Butt Edge on the short sides | | | | | | | | | |
| Surface finish | | | Planed with grooves | | | | | | | | | |
| CODE CE: | | | XPS - EN 13164 - T2 - CS(10\Y)200 - DS(70,90) | | | | | | | | | |

30-213-0420



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