

RAVATHERM™ XPS X PLUS RTM



Technical data sheet

| Properties | Value | Unit | Standard | CE Code | | |
|--|--------------------------------|-------------------|----------------------|----------------|----------|--------|
| Density (typical value) | 40 | kg/m ³ | EN 1602 | | | |
| Thermal Conductivity Declared | 0.029 | W/m.K | EN 13164 | λ _D | | |
| Thermal Conductivity 60 days - mean value at 10°C | 0.025 | > 50mm | EN 12667 EN 12939 | λ-mean, 60d | | |
| Compressive stress or compressive strength @ 10% deformation | 400 | kPa | EN 826 | CS(10Y) | | |
| Tensile Strength ⁽¹⁾ | 900 | kPa | EN 1607 | TR | | |
| Shear Strength | 400 | kPa | EN12090 | SS | | |
| Compressive Creep max after 50 years < 2% deformation under stress 6C | 140 | kPa | EN 1606 | CC(2/1.5/50)6 | | |
| Moduli (typical values) | E-Modulus ⁽¹⁾ | 17 | ≤ 30 mm | MPa | EN 826 | |
| | | 22 | 30 < ≤ 80 mm | MPa | EN 826 | |
| | | 28 | > 80 mm | MPa | EN 826 | |
| | Tensile Modulus ⁽¹⁾ | 28 | ≥ 50 mm | MPa | EN 1607 | |
| | Shear Modulus G | 10 ⁽²⁾ | | MPa | EN 12090 | |
| Water vapour diffusion resistance factor μ (tabulated value) | 150 | - | EN 12086 | MU | | |
| Long term water absorption by total immersion | 1.5 | % | EN 12087 | WL(T) | | |
| Dimensional stability under specified temperature (70°C) and humidity conditions (90%rh) | < 5 | % | EN 1604 | DS(70,90) | | |
| 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 | -0.5/+0.5 | mm | EN 823 | T | |
| | Width | -0/+3 | ≤ 700 mm | mm | | EN 822 |
| | Width | -0/+5 | < 700 mm | mm | | EN 822 |
| | Length | -0/+10 | mm | EN 822 | | |
| Dimensions | Thickness | 25 - 120 | mm | EN 823 | | |
| | Width | 600 | mm | EN 822 | | |
| | Length | 2500 | mm | EN 822 | | |
| Edge Profile | Butt Edge | | | | | |
| Surface finish | Planed and grooved | | | | | |

DESIGNATION CODE: XPS-EN 13164-T3-CS(10Y)400-CC(2/1.5/50)140-DS(70,90)-WL(T)1.5-TR900-SS400

1) Measured in thickness direction

2) Typical value for Shear Modulus, may vary with the inplane direction.

1 N/mm² = 10³ kPa = 1MPa

Material shall be stored inside in original packaging, away from direct sun light or heat sources

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