

RAVATHERM™ XPS X 300 SL



Technical data sheet

| Properties | Value | Unit | Standard | EN13164 Designation Code | | | | | | | | | | | |
|--|----------|---------|-----------|--------------------------|---------------|------|-----|------|------|-----|-----|-----|------|------|------|
| Thermal Conductivity Declared | 0.030 | ≤ 120mm | W/m.K | EN 13164 | λD | | | | | | | | | | |
| | 0.031 | > 120mm | W/m.K | | | | | | | | | | | | |
| Compressive stress or compressive strength@ 10% deformation | 300 | | kPa | EN 826 | CS(10\Y) | | | | | | | | | | |
| Compressive Creep max after 50 years < 2% deformation under stress σC | 130 | | 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 | < 0.7 | | % | EN 12087 | WL(T) | | | | | | | | | | |
| Water pick-up by diffusion | 2 | < 80mm | % | EN 12088 | WD(V) | | | | | | | | | | |
| | 1 | ≥ 80mm | | | | | | | | | | | | | |
| Water pick up after Freeze Thaw | < 1 | | % | EN 12091 | FTCD | | | | | | | | | | |
| 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 | - | | | | | | | | | | | |
| Thickness tolerances | 1 | | Class | EN 823 | T | | | | | | | | | | |
| Dimensions | Width | 600 | mm | EN 822 | | | | | | | | | | | |
| | Length | 1250 | mm | EN 822 | | | | | | | | | | | |
| Edge Profile | Ship lap | | | | | | | | | | | | | | |
| Surface finish | Skin | | | | | | | | | | | | | | |
| Thermal resistance¹ | | | | | | | | | | | | | | | |
| Thickness(mm) | 50 | 80 | 100 | 115 | 120 | 130 | 140 | 145 | 160 | 165 | 175 | 180 | 190 | 195 | 200 |
| R ₀ m ² .K/W | 1.65 | 2.65 | 3.3 | 3.8 | 4.0 | 4.15 | 4.5 | 4.65 | 5.15 | 5.3 | 5.6 | 5.8 | 6.15 | 6.25 | 6.45 |
| DESIGNATION CODE: XPS-EN 13164-T1-CS(10\Y)300-CC(2/1.5/50)130-DS(70,90)-DLT(2)5-WL(T)0.7- WD(V)1,2,3 ⁽¹⁾ -FTCD1 | | | | | | | | | | | | | | | |

1) Thickness dependant
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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