

RAVATHERM™ XPS X 300 SB



Technical data sheet

| Properties | Value | | Unit | Standard | CE Code |
|------------------------------------------------------------------------------------------|-----------|-----------|-----------|------------|---------------|
| Thermal Conductivity Declared | 0.030 | < 60mm | W/m.K | EN 13164 | λD |
| | 0.031 | ≥ 60mm | 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) | 100 | | - | EN 12086 | MU |
| Long term water absorption by total immersion | < 0.7 | | % | EN 12087 | WL(T) |
| Water pick-up by diffusion | < 2 | 50 < 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) |
| Deformation under specified compressive load (40kPa) and temperature (70°C) conditions | < 5 | | % | 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 | - | |
| Thickness tolerances | 1 | | Class | EN 823 | T |
| Dimensions | Width | 600 | mm | EN 822 | |
| | Length | 2500 | mm | EN 822 | |
| Edge Profile | Butt Edge | | | | |
| Surface finish | Skin | | | | |

| Thermal resistance ¹ | | | | | | | |
|---------------------------------|------|------|------|------|------|------|-----|
| Thickness(mm) | 30 | 40 | 50 | 75 | 100 | 125 | 150 |
| R _d m².K/W | 1.00 | 1.30 | 1.65 | 2.40 | 3.20 | 4.00 | 4.8 |

DESIGNATION CODE: XPS-EN 13164-T1-CS(10\Y)300-CC(2/1.5/50)130-DS(70,90)-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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