

Technical data sheet

Austrotherm EPS[®] T650

Description:	Expanded polystyrene boards for insulation in construction																									
Application:	For sound and heat insulation of interfloor floor slabs, under cement screed, under floor heating. Load up to 650 kg/m ²																									
Format:	Plates with a length of 1000 mm , a width of 500 mm , thicknesses from 20 to 50 mm Edge shape: Straight edge (GK)																									
Quantity in package:	<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>Thickness (mm)</th> <th>Length x width (mm)</th> <th>Number of plates</th> <th>Area (m²)</th> <th>R_D m² K¹/W</th> </tr> </thead> <tbody> <tr> <td>20</td> <td>1000x500</td> <td>24</td> <td>12.0</td> <td>0.50</td> </tr> <tr> <td>30</td> <td>1000x500</td> <td>16</td> <td>8.0</td> <td>0.75</td> </tr> <tr> <td>40</td> <td>1000x500</td> <td>12</td> <td>6.0</td> <td>1.00</td> </tr> <tr> <td>50</td> <td>1000x500</td> <td>10</td> <td>5.0</td> <td>1.25</td> </tr> </tbody> </table>	Thickness (mm)	Length x width (mm)	Number of plates	Area (m ²)	R _D m ² K ¹ /W	20	1000x500	24	12.0	0.50	30	1000x500	16	8.0	0.75	40	1000x500	12	6.0	1.00	50	1000x500	10	5.0	1.25
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Product type:	Expanded polystyrene (EPS) according to EN 13163																									
Designation:	EPS[®] T 650 marking on the short side of the package																									
Designation code:	EPS-EN 13163-T1-L2-W2-Sb2-P5-DS(N)2-BS100-CS(10)30-TR100-WL(T)2-MU(20-40)																									
Technical data:	<table border="0" style="width: 100%;"> <tr> <td>Thermal conductivity λ :</td> <td style="text-align: right;">≤ 0.040 W/mK</td> </tr> <tr> <td>Compressive strength (CS) :</td> <td style="text-align: right;">≥ 30 kPa</td> </tr> <tr> <td>Bending strength (BS):</td> <td style="text-align: right;">≥ 100 kPa</td> </tr> <tr> <td>Tensile strength (TR):</td> <td style="text-align: right;">≥ 120 kPa</td> </tr> <tr> <td>Water absorption during prolonged full immersion:</td> <td style="text-align: right;">≤ 2 % by volume</td> </tr> <tr> <td>Water vapor diffusion resistance number μ:</td> <td style="text-align: right;">20-40</td> </tr> <tr> <td>Reaction to fire class:</td> <td style="text-align: right;">E</td> </tr> </table>	Thermal conductivity λ :	≤ 0.040 W/mK	Compressive strength (CS) :	≥ 30 kPa	Bending strength (BS):	≥ 100 kPa	Tensile strength (TR):	≥ 120 kPa	Water absorption during prolonged full immersion:	≤ 2 % by volume	Water vapor diffusion resistance number μ:	20-40	Reaction to fire class:	E											
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Reaction to fire class:	E																									
Application temp.:	Up to 85°C.																									
Processing:	According to work instructions and construction safety instructions																									

Austrotherm EPS[®] does not contain chlorofluorocarbons (CFCs), HFCs, HFCS, or HBCD .

Last edited: 11 / 2024

