

Technical data sheet

# Austrotherm EPS<sup>®</sup> T1000

<b>Description:</b>	Expanded polystyrene boards for insulation in construction																														
<b>Application:</b>	For sound and heat insulation of interfloor floor slabs, under cement screed, under floor heating, for industrial floors. Load up to 1000 kg/m <sup>2</sup>																														
<b>Format:</b>	Plates with a length of 1000 mm , a width of 500 mm , thicknesses from 20 to 60 mm Edge shape: Straight edge (GK).																														
<b>Quantity in package:</b>	<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 ( m<sup>2</sup> )</th> <th>R<sub>D</sub> m<sup>2</sup> K<sup>1</sup>/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>1.05</td> </tr> <tr> <td>50</td> <td>1000x500</td> <td>10</td> <td>5.0</td> <td>1.30</td> </tr> <tr> <td>60</td> <td>1000x500</td> <td>8</td> <td>4.0</td> <td>1.55</td> </tr> </tbody> </table>	Thickness ( mm )	Length x width ( mm )	Number of plates	Area ( m <sup>2</sup> )	R <sub>D</sub> m <sup>2</sup> K <sup>1</sup> /W	20	1000x500	24	12.0	0.50	30	1000x500	16	8.0	0.75	40	1000x500	12	6.0	1.05	50	1000x500	10	5.0	1.30	60	1000x500	8	4.0	1.55
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<b>Product type:</b>	Expanded polystyrene (EPS) according to EN 13163																														
<b>Designation:</b>	<b>EPS<sup>®</sup> T1000</b> marking on the short side of the package																														
<b>Designation code:</b>	<b>EPS-EN 13163-T1-L2-W2-Sb2-P5-DS(N)2-BS110-CS(10)30-TR130-WL(T)2-MU(20-40)</b>																														
<b>Technical data:</b>	<table border="0" style="width: 100%;"> <tr> <td>Thermal conductivity λ :</td> <td style="text-align: right;">≤ 0.038 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;">≥ 110 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 :	≤ 0.038 W/mK	Compressive strength (CS) :	≥ 30 kPa	Bending strength (BS):	≥ 110 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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<b>Application temp.:</b>	Up to 85°C.																														
<b>Processing:</b>	According to the operating instructions and requirements of the manufacturer of the components of the combined thermal insulation system.																														

Austrotherm EPS<sup>®</sup> does not contain chlorofluorocarbons (CFCs), HFCs, HFCS, or HBCD .

Last edited : 11/20 24

