

Technical data sheet

Austrotherm EPS[®] 70

Description:	Expanded polystyrene boards for insulation in construction .																																																																																
Application:	For thermal insulation in areas without particular load, such as under-roof spaces, filling cavities, ventilated facades, sandwich walls, internal insulation, etc.																																																																																
Format:	Plates with length 1000 mm , width 500 mm , thicknesses from 20 to 400 mm Edge shape: Straight edge (GK)																																																																																
Quantity in package:	<table border="1"> <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 K / 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> <tr><td>60</td><td>1000x500</td><td>8</td><td>4.0</td><td>1.50</td></tr> <tr><td>70</td><td>1000x500</td><td>7</td><td>3.5</td><td>1.75</td></tr> <tr><td>80</td><td>1000x500</td><td>6</td><td>3.0</td><td>2.00</td></tr> <tr><td>90</td><td>1000x500</td><td>5</td><td>2.5</td><td>2.25</td></tr> <tr><td>100</td><td>1000x500</td><td>5</td><td>2.5</td><td>2.50</td></tr> <tr><td>120</td><td>1000x500</td><td>4</td><td>2.0</td><td>3.00</td></tr> <tr><td>140</td><td>1000x500</td><td>4</td><td>2.0</td><td>3.50</td></tr> <tr><td>150</td><td>1000 x 500</td><td>3</td><td>1.5</td><td>3.75</td></tr> <tr><td>160</td><td>1000x500</td><td>3</td><td>1.5</td><td>4.00</td></tr> <tr><td>180</td><td>1000x500</td><td>3</td><td>1.5</td><td>4.50</td></tr> <tr><td>200</td><td>1000x500</td><td>2</td><td>1.0</td><td>5.00</td></tr> </tbody> </table>	Thickness (mm)	Length x width (mm)	Number of plates	Area (m ²)	R _D m ² K / 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	60	1000x500	8	4.0	1.50	70	1000x500	7	3.5	1.75	80	1000x500	6	3.0	2.00	90	1000x500	5	2.5	2.25	100	1000x500	5	2.5	2.50	120	1000x500	4	2.0	3.00	140	1000x500	4	2.0	3.50	150	1000 x 500	3	1.5	3.75	160	1000x500	3	1.5	4.00	180	1000x500	3	1.5	4.50	200	1000x500	2	1.0	5.00
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Product type:	Other thicknesses, slab formats – upon request.																																																																																
Designation:	Expanded polystyrene (EPS) according to EN 13163																																																																																
Designation code:	EPS[®] 70 marking on the short side of the package																																																																																
Technical data:	<p>EPS-EN 13163-T1-L2-W2-Sb2-P5-DS(N)2-DS(70,-)1-BS115-CS(10)70-TR100-WL(T)2-MU(20-40)</p> <table border="0"> <tr> <td>Thermal conductivity λ :</td> <td>≤ 0.040 W/mK</td> </tr> <tr> <td>Compressive strength CS :</td> <td>≥ 70 kPa</td> </tr> <tr> <td>Bending strength BS:</td> <td>≥ 115 kPa</td> </tr> <tr> <td>Tensile strength TR:</td> <td>≥ 100 kPa</td> </tr> <tr> <td>Water absorption during prolonged full immersion:</td> <td>≤ 2 % by volume</td> </tr> <tr> <td>Water vapor diffusion resistance number μ:</td> <td>20-40</td> </tr> <tr> <td>Reaction to fire class:</td> <td>E</td> </tr> </table>	Thermal conductivity λ :	≤ 0.040 W/mK	Compressive strength CS :	≥ 70 kPa	Bending strength BS:	≥ 115 kPa	Tensile strength TR:	≥ 100 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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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

