

Technical data sheet

Austrotherm EPS[®] 150-PLUS

Description:	Graphite expanded polystyrene boards for insulation in construction with increased thermal insulation performance and particularly high load-bearing capacity																																																																											
Application:	For thermal insulation of flat roofs (passable), under screed, and anywhere where particularly high compressive strength is required. Suitable for low-energy and passive buildings.																																																																											
Format:	Plates with a length of 1000 mm , a width of 500 mm , thicknesses from 20 to 400 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 K /W</th> </tr> </thead> <tbody> <tr><td>20</td><td>1000x500</td><td>24</td><td>12.0</td><td>0.65</td></tr> <tr><td>30</td><td>1000x500</td><td>16</td><td>8.0</td><td>1.00</td></tr> <tr><td>40</td><td>1000x500</td><td>12</td><td>6.0</td><td>1.30</td></tr> <tr><td>50</td><td>1000x500</td><td>10</td><td>5.0</td><td>1.65</td></tr> <tr><td>60</td><td>1000x500</td><td>8</td><td>4.0</td><td>2.00</td></tr> <tr><td>70</td><td>1000x500</td><td>7</td><td>3.5</td><td>2.30</td></tr> <tr><td>80</td><td>1000x500</td><td>6</td><td>3.0</td><td>2.65</td></tr> <tr><td>90</td><td>1000x500</td><td>5</td><td>2.5</td><td>3.00</td></tr> <tr><td>100</td><td>1000x500</td><td>5</td><td>2.5</td><td>3.30</td></tr> <tr><td>120</td><td>1000x500</td><td>4</td><td>2.0</td><td>4.00</td></tr> <tr><td>140</td><td>1000x500</td><td>4</td><td>2.0</td><td>4.65</td></tr> <tr><td>160</td><td>1000x500</td><td>3</td><td>1.5</td><td>5.30</td></tr> <tr><td>180</td><td>1000x500</td><td>3</td><td>1.5</td><td>6.00</td></tr> <tr><td>200</td><td>1000x500</td><td>2</td><td>1.0</td><td>6.65</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	0.65	30	1000x500	16	8.0	1.00	40	1000x500	12	6.0	1.30	50	1000x500	10	5.0	1.65	60	1000x500	8	4.0	2.00	70	1000x500	7	3.5	2.30	80	1000x500	6	3.0	2.65	90	1000x500	5	2.5	3.00	100	1000x500	5	2.5	3.30	120	1000x500	4	2.0	4.00	140	1000x500	4	2.0	4.65	160	1000x500	3	1.5	5.30	180	1000x500	3	1.5	6.00	200	1000x500	2	1.0	6.65
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Product type:	Other thicknesses and plate formats on request.																																																																											
Designation:	Expanded polystyrene (EPS) according to EN 13163																																																																											
Designation code:	EPS[®] 150+ 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-BS300-CS(10)150-TR280-WL(T)2-MU(30+70)</p> <table border="0" style="width: 100%;"> <tr> <td style="width: 70%;">Thermal conductivity λ :</td> <td>≤ 0.030 W/mK</td> </tr> <tr> <td>Compressive strength (CS) :</td> <td>≥ 150 kPa</td> </tr> <tr> <td>Bending strength (BS):</td> <td>≥ 300 kPa</td> </tr> <tr> <td>Tensile strength (TR):</td> <td>≥ 280 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>30-70</td> </tr> <tr> <td>Reaction to fire class:</td> <td>E</td> </tr> </table>	Thermal conductivity λ :	≤ 0.030 W/mK	Compressive strength (CS) :	≥ 150 kPa	Bending strength (BS):	≥ 300 kPa	Tensile strength (TR):	≥ 280 kPa	Water absorption during prolonged full immersion:	≤ 2 % by volume	Water vapor diffusion resistance number μ:	30-70	Reaction to fire class:	E																																																													
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Application temp.:																																																																												
Processing:	Up to 85°C. Do not expose to direct sunlight. According to work instructions and construction safety instructions.																																																																											

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

Last edited : 11/20 24

