

Technical data sheet

# Austrotherm EPS<sup>®</sup> 120-PLUS

<b>Description:</b>	Graphite expanded polystyrene boards for insulation in construction with increased thermal insulation performance and high load-bearing capacity																																																																											
<b>Application:</b>	For thermal insulation of flat roofs, under screed, and anywhere where high compressive strength is required. Particularly suitable for low-energy and passive buildings.																																																																											
<b>Format:</b>	Plates with a length of 1000 mm , a width of 500 mm , thicknesses from 20 to 400 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>0.65</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 <sup>2</sup> )	R <sub>D</sub> m <sup>2</sup> K <sup>1</sup> /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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<b>Product type:</b>	Other thicknesses, slab formats – upon request.																																																																											
<b>Designation:</b>	Expanded polystyrene (EPS) according to EN 13163 <b>EPS<sup>®</sup> 120+</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-DS(70,-)1-BS250-CS(10)120-TR220-WL(T)2-MU(30+70)</b>																																																																											
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<b>Application temp.:</b>	Up to 85°C. Do not expose to direct sunlight.																																																																											
<b>Processing:</b>	According to work instructions and construction safety instructions																																																																											

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

Last edited : 11/20 24

