

Technical data sheet

Austrotherm EPS® 120-PLUS

Description:	Graphite expanded polystyrene boards for insulation in construction with increased thermal insulation performance and high load-bearing capacity																																																																											
Application:	For thermal insulation of flat roofs, under screed, and anywhere where high compressive strength is required. Particularly 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><tr><th>Thickness (mm)</th><th>Length x width (mm)</th><th>Number of plates</th><th>Area (m²)</th><th>R_D m²K/W</th></tr><tr><td>20</td><td>1000 x 500</td><td>30</td><td>15</td><td>0,65</td></tr><tr><td>30</td><td>1000 x 500</td><td>20</td><td>10</td><td>1,00</td></tr><tr><td>40</td><td>1000 x 500</td><td>15</td><td>7,5</td><td>1,30</td></tr><tr><td>50</td><td>1000 x 500</td><td>12</td><td>6</td><td>1,65</td></tr><tr><td>60</td><td>1000 x 500</td><td>10</td><td>5</td><td>2,00</td></tr><tr><td>70</td><td>1000 x 500</td><td>8</td><td>4</td><td>2,30</td></tr><tr><td>80</td><td>1000 x 500</td><td>7</td><td>3,5</td><td>2,65</td></tr><tr><td>90</td><td>1000 x 500</td><td>6</td><td>3</td><td>3,00</td></tr><tr><td>100</td><td>1000 x 500</td><td>6</td><td>3</td><td>3,30</td></tr><tr><td>120</td><td>1000 x 500</td><td>5</td><td>2,5</td><td>4,00</td></tr><tr><td>140</td><td>1000 x 500</td><td>4</td><td>2</td><td>4,65</td></tr><tr><td>160</td><td>1000 x 500</td><td>3</td><td>1,5</td><td>5,30</td></tr><tr><td>180</td><td>1000 x 500</td><td>3</td><td>1,5</td><td>6,00</td></tr><tr><td>200</td><td>1000 x 500</td><td>3</td><td>1,5</td><td>6,65</td></tr></table> Other thicknesses, slab formats – upon request.	Thickness (mm)	Length x width (mm)	Number of plates	Area (m ²)	R _D m ² K/W	20	1000 x 500	30	15	0,65	30	1000 x 500	20	10	1,00	40	1000 x 500	15	7,5	1,30	50	1000 x 500	12	6	1,65	60	1000 x 500	10	5	2,00	70	1000 x 500	8	4	2,30	80	1000 x 500	7	3,5	2,65	90	1000 x 500	6	3	3,00	100	1000 x 500	6	3	3,30	120	1000 x 500	5	2,5	4,00	140	1000 x 500	4	2	4,65	160	1000 x 500	3	1,5	5,30	180	1000 x 500	3	1,5	6,00	200	1000 x 500	3	1,5	6,65
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Product type:	Expanded polystyrene (EPS) according to Harmonized Standard EN 13163:2012+A2:2016; National Reference No. BDS EN 13163:2012+A2:2017																																																																											
Designation:	EPS® 120+ marking on the short side of the package																																																																											
Designation code:	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)																																																																											
Technical data:	<table><tr><td>Thermal conductivity λ:</td><td>≤ 0,030 W/mK</td></tr><tr><td>Compressive strength (CS):</td><td>≥ 120 kPa</td></tr><tr><td>Bending strength (BS):</td><td>≥ 250 kPa</td></tr><tr><td>Tensile strength (TR):</td><td>≥ 220 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> Up to 85°C. Do not expose to direct sunlight.	Thermal conductivity λ:	≤ 0,030 W/mK	Compressive strength (CS):	≥ 120 kPa	Bending strength (BS):	≥ 250 kPa	Tensile strength (TR):	≥ 220 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.:	According to work instructions and construction safety instructions.																																																																											
Processing:																																																																												

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

Last edited: 08/2026