

Technical data sheet

Austrotherm EPS® 100

Description:	Expanded polystyrene boards for insulation in construction																																																																																				
Application:	For thermal insulation of the last sub-roof floor, for areas with load - floors (under screed), flat roofs, cold rooms, etc.																																																																																				
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>0.55</td></tr><tr><td>30</td><td>1000 x 500</td><td>20</td><td>10</td><td>0.85</td></tr><tr><td>40</td><td>1000 x 500</td><td>15</td><td>7,5</td><td>1.15</td></tr><tr><td>50</td><td>1000 x 500</td><td>12</td><td>6</td><td>1.45</td></tr><tr><td>60</td><td>1000 x 500</td><td>10</td><td>5</td><td>1.75</td></tr><tr><td>70</td><td>1000 x 500</td><td>8</td><td>4</td><td>2.05</td></tr><tr><td>80</td><td>1000 x 500</td><td>7</td><td>3,5</td><td>2.35</td></tr><tr><td>90</td><td>1000 x 500</td><td>6</td><td>3</td><td>2.60</td></tr><tr><td>100</td><td>1000 x 500</td><td>6</td><td>3</td><td>2.90</td></tr><tr><td>120</td><td>1000 x 500</td><td>5</td><td>2,5</td><td>3.50</td></tr><tr><td>140</td><td>1000 x 500</td><td>4</td><td>2</td><td>4.10</td></tr><tr><td>150</td><td>1000 x 500</td><td>4</td><td>2</td><td>4.40</td></tr><tr><td>160</td><td>1000 x 500</td><td>3</td><td>1,5</td><td>4.70</td></tr><tr><td>180</td><td>1000 x 500</td><td>3</td><td>1,5</td><td>5.25</td></tr><tr><td>200</td><td>1000 x 500</td><td>3</td><td>1,5</td><td>5.85</td></tr></table> Other thicknesses, slab formats – upon request.					Thickness (mm)	Length x width (mm)	Number of plates	Area (m²)	R _D m²K/W	20	1000 x 500	30	15	0.55	30	1000 x 500	20	10	0.85	40	1000 x 500	15	7,5	1.15	50	1000 x 500	12	6	1.45	60	1000 x 500	10	5	1.75	70	1000 x 500	8	4	2.05	80	1000 x 500	7	3,5	2.35	90	1000 x 500	6	3	2.60	100	1000 x 500	6	3	2.90	120	1000 x 500	5	2,5	3.50	140	1000 x 500	4	2	4.10	150	1000 x 500	4	2	4.40	160	1000 x 500	3	1,5	4.70	180	1000 x 500	3	1,5	5.25	200	1000 x 500	3	1,5	5.85
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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® 100 marking on the short side of the package																																																																																				
Designation code:	EPS-EN 13163-T1-L2-W2-Sb2-P5-DS(N)2-DS(70,-)1-BS180-CS(10)100-TR200-WL(T)2-MU(30÷70)																																																																																				
Technical data:	Thermal conductivity λ: ≤ 0,034 W/mK Compressive strength (CS): ≥ 100 kPa Bending strength (BS): ≥ 180 kPa Tensile strength (TR): ≥ 200 kPa Water absorption during prolonged full immersion: ≤ 2% by volume Water vapor diffusion resistance number μ: 30-70 Reaction to fire class: E																																																																																				
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: 08/2026

