

Technical data sheet

Austrotherm EPS® F

Description:	Expanded polystyrene boards for insulation in construction																																																																																				
Application:	For thermal insulation of external walls in a combined thermal insulation system (ETICS) according to BDS EN 13163:2012+A2:2017																																																																																				
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>1.10</td></tr><tr><td>50</td><td>1000 x 500</td><td>12</td><td>6</td><td>1.40</td></tr><tr><td>60</td><td>1000 x 500</td><td>10</td><td>5</td><td>1.70</td></tr><tr><td>70</td><td>1000 x 500</td><td>8</td><td>4</td><td>2.00</td></tr><tr><td>80</td><td>1000 x 500</td><td>7</td><td>3,5</td><td>2.25</td></tr><tr><td>90</td><td>1000 x 500</td><td>6</td><td>3</td><td>2.55</td></tr><tr><td>100</td><td>1000 x 500</td><td>6</td><td>3</td><td>2.85</td></tr><tr><td>120</td><td>1000 x 500</td><td>5</td><td>2,5</td><td>3.40</td></tr><tr><td>140</td><td>1000 x 500</td><td>4</td><td>2</td><td>4.00</td></tr><tr><td>150</td><td>1000 x 500</td><td>4</td><td>2</td><td>4.25</td></tr><tr><td>160</td><td>1000 x 500</td><td>3</td><td>1,5</td><td>4.55</td></tr><tr><td>180</td><td>1000 x 500</td><td>3</td><td>1,5</td><td>5.10</td></tr><tr><td>200</td><td>1000 x 500</td><td>3</td><td>1,5</td><td>5.70</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	0.55	30	1000 x 500	20	10	0.85	40	1000 x 500	15	7,5	1.10	50	1000 x 500	12	6	1.40	60	1000 x 500	10	5	1.70	70	1000 x 500	8	4	2.00	80	1000 x 500	7	3,5	2.25	90	1000 x 500	6	3	2.55	100	1000 x 500	6	3	2.85	120	1000 x 500	5	2,5	3.40	140	1000 x 500	4	2	4.00	150	1000 x 500	4	2	4.25	160	1000 x 500	3	1,5	4.55	180	1000 x 500	3	1,5	5.10	200	1000 x 500	3	1,5	5.70
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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® F marking on the short side of the package																																																																																				
Designation code:	EPS-EN 13163-T1-L2-W2-Sb2-P5-DS(N)2-DS(70,-)1-BS130-CS(10)80-TR150-WL(T)2-MU(20÷40)																																																																																				
Technical data:	<table><tr><td>Thermal conductivity λ_D:</td><td>≤ 0,035 W/mK</td></tr><tr><td>Compressive strength (CS):</td><td>≥ 80 kPa</td></tr><tr><td>Bending strength (BS):</td><td>≥ 130 kPa</td></tr><tr><td>Tensile strength (TR):</td><td>≥ 150 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 _D :	≤ 0,035 W/mK	Compressive strength (CS):	≥ 80 kPa	Bending strength (BS):	≥ 130 kPa	Tensile strength (TR):	≥ 150 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 the operating instructions and requirements of the manufacturer of the components of the combined thermal insulation system.																																																																																				

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

Last edited: 08/2026

