

Technical data sheet

Austrotherm EPS® F-PLUS

Description:	Graphite expanded polystyrene boards for insulation in construction with improved thermal insulation performance																																																																						
Application:	For thermal insulation of external walls in a combined thermal insulation system (ETICS) according to BDS EN 13163:2012+A2:2017. Particularly suitable for passive and lowenergy 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>0,6</td></tr><tr><td>30</td><td>1000 x 500</td><td>20</td><td>10</td><td>0,95</td></tr><tr><td>50</td><td>1000 x 500</td><td>12</td><td>6</td><td>1,6</td></tr><tr><td>60</td><td>1000 x 500</td><td>10</td><td>5</td><td>1,9</td></tr><tr><td>70</td><td>1000 x 500</td><td>8</td><td>4</td><td>2,25</td></tr><tr><td>80</td><td>1000 x 500</td><td>7</td><td>3,5</td><td>2,55</td></tr><tr><td>100</td><td>1000 x 500</td><td>6</td><td>3</td><td>3,2</td></tr><tr><td>120</td><td>1000 x 500</td><td>5</td><td>2,5</td><td>3,85</td></tr><tr><td>140</td><td>1000 x 500</td><td>4</td><td>2</td><td>4,5</td></tr><tr><td>150</td><td>1000 x 500</td><td>4</td><td>2</td><td>4,8</td></tr><tr><td>160</td><td>1000 x 500</td><td>3</td><td>1,5</td><td>5,15</td></tr><tr><td>180</td><td>1000 x 500</td><td>3</td><td>1,5</td><td>5,8</td></tr><tr><td>200</td><td>1000 x 500</td><td>3</td><td>1,5</td><td>6,45</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	0,6	30	1000 x 500	20	10	0,95	50	1000 x 500	12	6	1,6	60	1000 x 500	10	5	1,9	70	1000 x 500	8	4	2,25	80	1000 x 500	7	3,5	2,55	100	1000 x 500	6	3	3,2	120	1000 x 500	5	2,5	3,85	140	1000 x 500	4	2	4,5	150	1000 x 500	4	2	4,8	160	1000 x 500	3	1,5	5,15	180	1000 x 500	3	1,5	5,8	200	1000 x 500	3	1,5	6,45
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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>≤ 0,031 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 :	≤ 0,031 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. Do not expose to direct sunlight.																																																																						
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

Аустротерм България ЕООД

www.austrotherm.bg



1532 София,
Казичене, Индустириална зона
Тел.: 02/974 64 70
e-mail: office@austrotherm.bg

Austrotherm Bulgaria EOOD
1532 Sofia, Kasichene, Industrial Zone
Tel.: +359 2/974 64 70
e-mail: office@austrotherm.bg