

Technical data sheet

Austrotherm EPS® T650

Description:	Expanded polystyrene boards for insulation in construction																													
Application:	For sound and heat insulation of interfloor floor slabs, under cement screed, under floor heating. Load up to 650 kg/m²																													
Format:	Plates with a length of 1000 mm , a width of 500 mm , thicknesses from 20 to 50 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>0,50</td></tr><tr><td>30</td><td>1000 x 500</td><td>20</td><td>10</td><td>0,75</td></tr><tr><td>40</td><td>1000 x 500</td><td>15</td><td>7,5</td><td>1,00</td></tr><tr><td>50</td><td>1000 x 500</td><td>12</td><td>6</td><td>1,25</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	0,50	30	1000 x 500	20	10	0,75	40	1000 x 500	15	7,5	1,00	50	1000 x 500	12	6	1,25
Thickness (mm)	Length x width (mm)	Number of plates	Area (m²)	R _D m²K/W																										
20	1000 x 500	30	15	0,50																										
30	1000 x 500	20	10	0,75																										
40	1000 x 500	15	7,5	1,00																										
50	1000 x 500	12	6	1,25																										
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® T 650 marking on the short side of the package																													
Designation code:	EPS-EN 13163-T1-L2-W2-Sb2-P5-DS(N)2-BS100-CS(10)30-TR120-WL(T)2-MU(20÷40)																													
Technical data:	<table><tr><td>Thermal conductivity λ:</td><td>≤ 0,040 W/mK</td></tr><tr><td>Compressive strength (CS):</td><td>≥ 30 kPa</td></tr><tr><td>Bending strength (BS):</td><td>≥ 100 kPa</td></tr><tr><td>Tensile strength (TR):</td><td>≥ 120 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:	≤ 0,040 W/mK	Compressive strength (CS):	≥ 30 kPa	Bending strength (BS):	≥ 100 kPa	Tensile strength (TR):	≥ 120 kPa	Water absorption during prolonged full immersion:	≤ 2% by volume	Water vapor diffusion resistance number μ:	20-40	Reaction to fire class:	E											
Thermal conductivity λ:	≤ 0,040 W/mK																													
Compressive strength (CS):	≥ 30 kPa																													
Bending strength (BS):	≥ 100 kPa																													
Tensile strength (TR):	≥ 120 kPa																													
Water absorption during prolonged full immersion:	≤ 2% by volume																													
Water vapor diffusion resistance number μ:	20-40																													
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