

BEWi

XPS

EXTRAORDINARY INSULATION



BEWi XPS

INSULATION FOR DEMANDING CONDITIONS

The extruded BEWi XPS insulation boards are manufactured at our modern facility in Kaavi using state-of-the-art technology. We offer our clients reliable and costeffective insulation solutions for demanding conditions. Installing the insulation boards is simple and their life cycle is long.

The extruded **BEWi XPS** insulation boards are made of high-quality polystyrene. Their cellular structure is closed so their heat and frost resistance is excellent both in dry and moist conditions. Because of their compressive strength, the products can be used in houses for interior or exterior heat-insulation, as well as in earthworks for frost insulation.

BEWi XPS retains its excellent properties; of great compressive strength, good insulation capability and water resistance. BEWi XPS is also eco-friendly, releases no harmful substances or dust, does not rot and is fully recyclable.

The extruded XPS insulation boards are available, depending on application, in either shiplap, straight or grooved design. The boards are extraordinarily well equipped to withstand great stress, humidity and frost.

Applications:

- ▶ Insulation of foundations
- ▶ Splitting of the plinth
- ▶ Insulation of cellar walls and regular walls
- ▶ Insulation of floors directly on the ground
- ▶ Insulation of ventilated base floors
- ▶ Insulation of walls
- ▶ Insulation of intermediate floors
- ▶ Insulation of reversed roofs
- ▶ Frost insulation of buildings
- ▶ Insulation of yards and streets
- ▶ Insulation of roads and ramps
- ▶ Insulation of parking lots
- ▶ Insulation of water pipes and sewers
- ▶ Insulation of railways and railway yards
- ▶ Elements



Contact

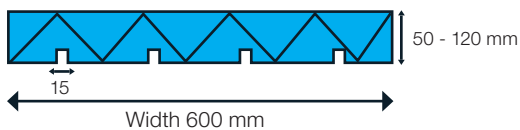
+358(0)207 - 55 92 00



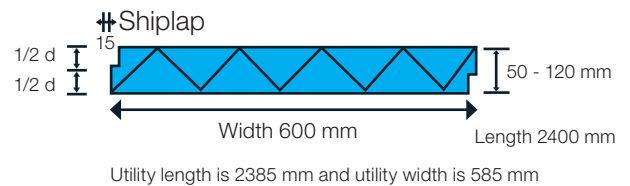
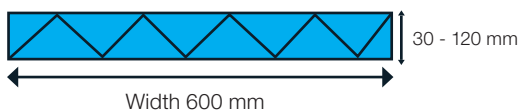
Compressive strengths and their applications:

XPS 300 and XPS 300PP	XPS 400 and XPS 400PP	XPS 500 and XPS 500PP
<ul style="list-style-type: none"> • for foundation base, plinth, base floor • walls, roofs • yards, traffic and parking areas 	<ul style="list-style-type: none"> • for foundation base, plinth, base floor • for earth moving traffic and yard areas that sustain heavy loads 	<ul style="list-style-type: none"> • for especially demanding conditions • when heavy load is constant or the topical loads are high at times, such as traffic routes and the foundations of railroads or railway yards

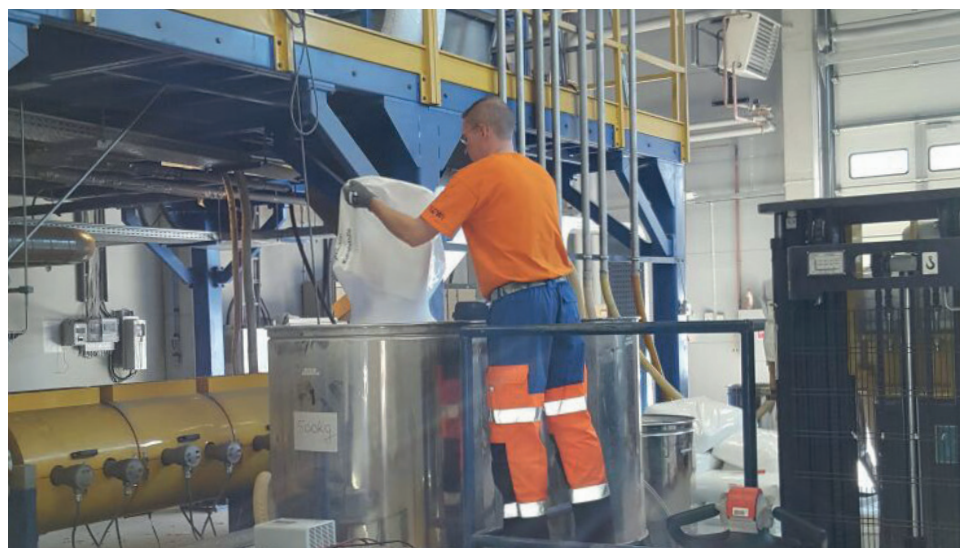
Grooved



Straight



We also manufacture special sizes tailored to the customer's needs.



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BEWi XPS Packaging							
Thickness mm	30	40	50	60	70	80	100
pcs/package	13	10	8	7	6	5	4
m ² /package straight	18,72	14,4	11,52	10,08	8,64	7,2	5,76
m ² /package shi lap			11,16	9,76	8,37	6,97	5,58
m ³ /package straight	0,56	0,58	0,58	0,6	0,6	0,58	0,58
m ³ /package shi lap			0,56	0,59	0,59	0,56	0,56
Straight edges	600x2400	600x2400	600x2400	600x2400	600x2400	600x2400	600x2400
Shi lap	585x2385	585x2385	585x2385	585x2385	585x2385	585x2385	585x2385
Available dimensions	585x1185 600x1200	585x1185 600x1200	585x1185 600x1200	585x1185 600x1200	585x1185 600x1200	585x1185 600x1200	585x1185 600x1200

Specifications	BEWi XPS	BEWi XPS	BEWi XPS
SFS-EN-13164	300	400	500
Compressive strength (short term) kN/m ²	300	400	500
Flexural strength N/mm ²	>500	>500	>500
Water absorption v%	0,7	0,7	0,7
Water vapour permeability MUi	150-50	150-80	150-80
Thermal conductivity Å10, W/mK	0,034-0,037	0,036	0,036
<70mmthermal conductivity (Å0)W/mK =70mmthermal conductivity (ÅD)W/mK	0,034 0,037	0,036 0,036	0,036 0,036
Thickness mm	± 2	± 2	± 2
Width mm	± 4	± 4	± 4
Length mm	± 10	± 10	± 10
Measurement stability %	< 0,3	< 0,3	< 0,3
Highest usage temperature C°	75	75	75
Fire class	F	F	F

BEWi

CONTACT INFORMATION

BEWi M-Plast Oy

PL 33, 73601, Kaavi

Puh 0207 559 200

www.m-plast.fi