BEWI Terra XPS 500

Product data sheet

Product description

BEWI Terra XPS 500 is manufactured from extruded polystyrene (XPS). The product is manufactured from 70% recycled material (EPS and XPS). It has high compressive strength, low moisture absorption, long service life and is capillary breaking. The boards has straight or beveled edges in different formats and thicknesses. BEWI XPS insulation boards are lightweight and easy to work with without causing discomfort to the eyes, airways, or skin.

BEWI Terra XPS is used for ground insulation and frost protection in both light and heavy-duty construction applications.

Field of application

Insulation for a wide variety of applications, including insulation of foundations at extreme high load, frost insulation, roads, railways, airfields and inverted roofs.

Colour

Grey. Shade variations may occur.

Surface treatment

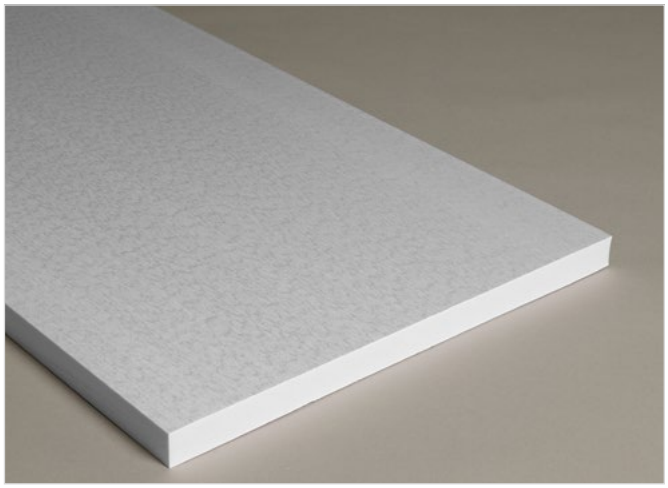
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Technical data

Specifications	Standard	Unit	XPS500
Declared thermal conductivity, λ_D	EN 13164	W/mK	0,033
Compressive strength	ISO 29469	kPa	500
Permissible long-term load 2% deformation (nominal last).	EN 1606	kPa	225
E-module, long term	-	kPa	11250
Water absorption, submerged	EN/ISO 16535	Vol%	≤ 0,7
Relative water vapor resistance	EN 10456	µ factor	150
Capillarity	-		Capillary breaking
Fire properties (class)	EN 135001-1		NPD
Max. temperature	-	°C	70
Length expansion coefficient	EN 822	mm/m °C	0,07

Assembly/safety precautions

No dangers under regular handling. Installation/assembly must comply with regulations or guidelines. Cut with filament, a heated knife, or a hand saw/jigsaw as an option.



Transport and storage

The product is not classified as dangerous goods. The product must be stored in a well-ventilated area away from ignition sources and organic solvents. If stored for an extended period, the product should be shielded from UV rays and high winds, as it can blow away. Be careful when handling it, as the boards may break.

Recycling/waste management

Waste type: Extruded plastic
Waste management: Material recycling at recycling centre or energy recovery.
SS 9431 code for waste management: 1732/ 0014/ 6000
EAL code: 170604: other insulation materials then mentioned in 170601 and 170603.
Other information: BEWI is a member of NPA

Environment

The product is not classified as a health, environmental, or fire hazard. EPD is available, the product is registered in Byggvarubedömningen, Sunda Hus, BASTA and Svanens husportal (Nordic Ecolabelling).

Product documentation and public requirements

Product approvals issued by accredited control organs: Accredited control organs issue no product documentation for this product.
European standard: XPS insulation board is CE marked, standard no EN 13164
Other national/international control systems, certificates, industry standards, etc. Common technical system for declaring building insulation EN 13172.

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