

GreenLine EPS 100

Product data sheet

Product description

GreenLine EPS is BEWIs brand for expanded polystyrene (EPS) made from 100% recycled EPS. Our facilities recycle 20%, and 80% of the product is recycled EPS from construction sites, industry, and packaging from the fish industry. GreenLine has the same properties as regular EPS while making a difference for the climate and your sustainability targets. GreenLine EPS has different dimensions and thicknesses. It is lightweight and easy to work with without causing discomfort to the eyes, airways, and skin. GreenLine EPS contains no harmful substances and does not emit dangerous gases during production. It is capillary breaking and prevents moisture migration from the foundation. The product has a unique combination of user- and environmental friendliness while being cost-effective.

Field of application

As the product contains recycled materials, an odor may be present. GreenLine must only be used underground or in cast-in applications, not indoors or for thinner structures.

Colour

White

Technical data

Specifications	Standard	Unit	100
Declared thermal conductivity, λ_D	EN 13163	W/mK	0,037
Compressive strength	EN 826	kPa	100
Permissible long-term load 2% deformation (nominal last).	EN 1606	kPa	30
E-module, long term	-	kPa	1500
Bending strength	DS/EN 12089	kPa	150
Water absorption (EPS), submerged	EN/ISO 16535	Vol%	≤ 5
Capillarity	-		Capillary breaking
Fire properties (class)	EN 135001-1		NPD (prev F class)
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 according to UN, IMO, ADR/RID or IATA/ICAO. 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: Expanded plastic

Waste management: Material recycling at recycling centre or energy recovery.

SS 9431 code for waste management: 1732/ 0014/ 6000

EAL code: 170604

Other information: BEWI is a member of FTI

Environment

The product is not classified as a health, environmental, or fire hazard. EPD is available.

Product documentation and public requirements

Product approvals issued by accredited control organs: Accredited control organs issue no product documentation for this product.

European standard: GreenLine EPS insulation board is CE marked, standard no EN 13163

Other national/international control systems, certificates, industry standards, etc. Common technical system for declaring building insulation EN 13172.

BEWI Insulation Sverige

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