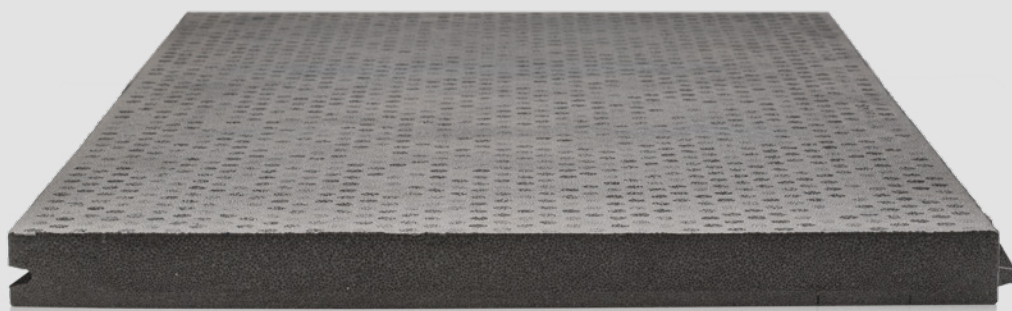




High-quality insulation panels MultiPro EPS for uncompromisingly high-grade, long-term insulation.



## blaugelb Insulation Panel MultiPro EPS

For long-lasting insulation.

### Product features:

The blaugelb Insulation Panel MultiPro EPS is made from a highly compacted EPS (expanded polystyrene) and offers the best possible heat and moisture protection in the vicinity of windows and façades. A major area of application of the blaugelb Insulation Panel MultiPro EPS is meeting the high requirements placed on passive houses, low-energy houses/thermal rehabilitation.

The blaugelb Insulation Panels allow consistent and homogeneous insulation to be achieved, ensuring that no valuable heating energy is lost. This external insulation keeps the heat inside the room. Insulating the outside ensures that heat is retained in the masonry, exploiting the storage capacity of the blaugelb Insulation Panel MultiPro EPS material.

The existing tongue and groove connection facilitates precise work, especially over large areas, as the panels can be slid into one another with precision and the resulting insulation surface presents a homogeneous picture.

- Tongue and groove connection for unlimited extension
- 100 % recyclable, 100 % free of HCFCs, HFCs and HBCDs
- Cradle to Cradle Certified® at the Silver level
- Enables sustainable construction thanks to reversibility of window sealing and fastening when renovating
- Low weight, high pressure resistance and high screw withdrawal values

Continued on  
the next page ►



Applications:

- In the vicinity of windows and façades with high requirements on strength, pressure resistance and insulating properties
- Insulation of windows and door connections (e.g. steel girders, concrete supports)
- Insulation of critical areas (e.g. in wood-aluminium, aluminium and PVC systems)
- Floor recess profile for special structures with high load transfer (e.g. doors and lift-and-slide systems)
- Insulation of panels
- Load-transferring jamb extension for the mounting of sealing systems for proper window connections with the positive insulation properties and increased compressive strength so that the connection materials can function
- Cladding substructures of heavy lift-and-slide door systems
- Roller shutter, Venetian blind and external blind construction

Product benefits:

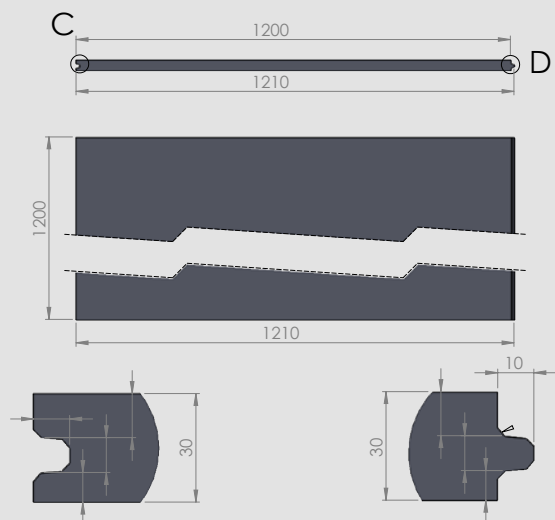
- Tongue and groove connection for unlimited extension
- 100 % recyclable
- 100 % HCFC, HFC and HBCD-free
- High-density (expanded) polystyrene
- High ductility
- Enables sustainable construction thanks to reversibility of window sealing and fastening when renovating
- blaugelb Insulation Panels are easy to machine/saw with a jigsaw or mitre saw (coarse longitudinal-cut blade)
- Can be cut to size precisely with little dust
- Low weight, high pressure resistance and high screw withdrawal values
- High inherent stability and flexural strength
- Does not produce fine dust harmful to the lungs when being processed (e.g. compared with mineral wool)
- Dimensionally stable
- Easy to process
- Insensitive to moisture
- Tested to be very low in emissions according to EMICODE EC1 Plus
- Cradle to Cradle Certified® at the Silver level

Technical data:

Material:	High-density EPS (expanded polystyrene), high ductility
Colour:	Grey
Compressive load bearing capacity at max. total deformation of 2 %:	1,260 kg/dm²
Compressive load bearing capacity at 60 x 40 mm: (blaugelb Spacer Block)	5,800 N
Compressive load bearing capacity at 210 x 53 mm: (blaugelb Shim Block HST)	15,510 N
Fire behaviour: DIN 4102-1:1998-05 / DIN EN 13501-1:2019-05	B2 / Class E
Thermal conductivity nominal value λ <sub>10</sub> : DIN EN 12667:2001-05	0.0403 W/m²k
Air permeability: EN 12207	Class 4
Water vapour diffusion resistance: DIN EN ISO 12086	228 µ

Airborne sound insulation: DIN EN ISO 717-1 (with an area of 0.8 m²)	30 mm: R <sub>w</sub> 28.0 dB ± 1.2 dB 40 mm: R <sub>w</sub> 28.5 dB ± 1.2 dB 60 mm: R <sub>w</sub> 31.9 dB ± 1.2 dB 80 mm: R <sub>w</sub> 33.9 dB ± 1.2 dB
Bending strength: DIN EN 12089	≥ 2,490 kPa
Compression stress (2 %) compression: DIN EN DIN EN 13163:2017 / EN 826:2013-05	≥ 1,435 kPa
Shear strength: DIN EN ISO 14130	0.217 N/mm²
Dimensional strength: DIN ISO 75-1	Short-term up to +95 °C Long-term up to +85 °C
Dimensional stability: DIN EN 13163:2015-04	Very high, including outdoor weathering
Water absorption after 28 days under water: DIN 12087	≤ 0.5 vol. %
Screw withdrawal values: blaugelb Frame Screw Fix FK-T30 7.5 x L mm Screw-in depth 40 / 60 / 80 / 100 mm	F <sub>FK,AZ</sub> 1.33 / 2.20 / 2.87 / 3.76 kN
Compatibility with conventional building materials:	Compatible, except for solvents, solvent-bearing materials and materials that are not polystyrene-compatible
Ageing resistance:	Mould-proof, does not rot
Waste code:	Code no. 170604 Code no. 170904

Product name	PU/pallet	Item no.
blaugelb Insulation Panel MultiPro EPS 30x1200x1200 mm	30 pieces	9207614
blaugelb Insulation Panel MultiPro EPS 35x1200x1200 mm	27 pieces	9207615
blaugelb Insulation Panel MultiPro EPS 40x1200x1200 mm	24 pieces	9207616
blaugelb Insulation Panel MultiPro EPS 45x1200x1200 mm	22 pieces	9207617
blaugelb Insulation Panel MultiPro EPS 50x1200x1200 mm	20 pieces	9207618
blaugelb Insulation Panel MultiPro EPS 55x1200x1200 mm	18 pieces	9207619
blaugelb Insulation Panel MultiPro EPS 60x1200x1200 mm	17 pieces	9207620
blaugelb Insulation Panel MultiPro EPS 65x1200x1200 mm	16 pieces	9207621
blaugelb Insulation Panel MultiPro EPS 70x1200x1200 mm	15 pieces	9207622
blaugelb Insulation Panel MultiPro EPS 75x1200x1200 mm	14 pieces	9207623
blaugelb Insulation Panel MultiPro EPS 80x1200x1200 mm	13 pieces	9207624
blaugelb Insulation Panel MultiPro EPS 85x1200x1200 mm	12 pieces	9207625
blaugelb Insulation Panel MultiPro EPS 90x1200x1200 mm	12 pieces	9207626
blaugelb Insulation Panel MultiPro EPS 95x1200x1200 mm	11 pieces	9229873
blaugelb Insulation Panel MultiPro EPS 100x1200x1200 mm	11 pieces	9207627
blaugelb Insulation Panel MultiPro EPS 105x1200x1200 mm	10 pieces	9207628
blaugelb Insulation Panel MultiPro EPS 110x1200x1200 mm	10 pieces	9207629
blaugelb Insulation Panel MultiPro EPS 115x1200x1200 mm	9 pieces	9229884
blaugelb Insulation Panel MultiPro EPS 120x1200x1200 mm	9 pieces	9207630
blaugelb Insulation Panel MultiPro EPS 125x1200x1200 mm	8 pieces	9207631

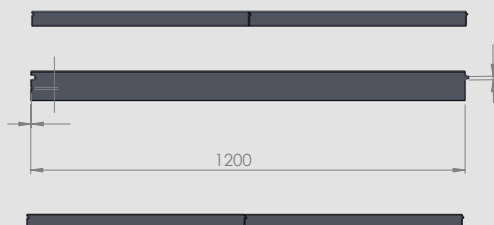


DETAIL c

MAßSTAB 1 : 1

DETAIL d

MAßSTAB 1 : 1



### Delivery and storage form:

Store in its original packaging. Current packaging: Use of a PE stretch film dyed white, UV-stable for 6 months made of POLYETHYLENE FS 340-03 and LL 118 BLEND.

### Disposal:

According to Waste Catalogue Ordinance:

Code no. 170604 (single-grade insulating material EPS)

Code no. 170904 (mixed construction waste)

### Safety note:

According to the available specifications and guidelines, the product is not a hazardous substance.