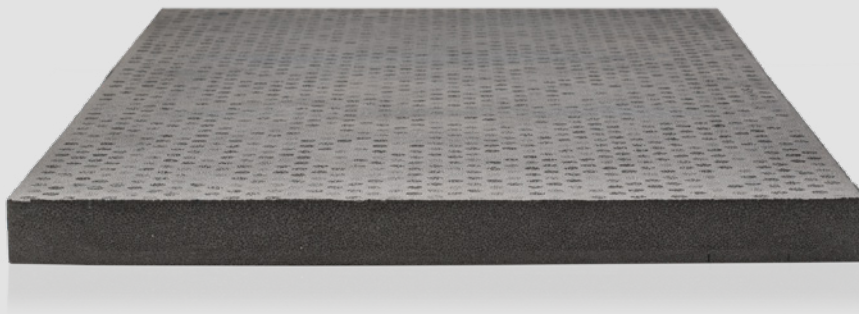




High-quality insulation panels EPS for uncompromisingly high-grade, long-term insulation.



blaugelb Insulation Panel EPS

For long-lasting insulation.

Product features:

The blaugelb Insulation Panel 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 EPS is meeting the high requirements placed on passive houses, low-energy houses and heating system renovation.

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 EPS material.

Continued on
the next page ►

- 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
- Does not produce fine dust harmful to the lungs when being processed (e.g. compared with mineral wool)



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:

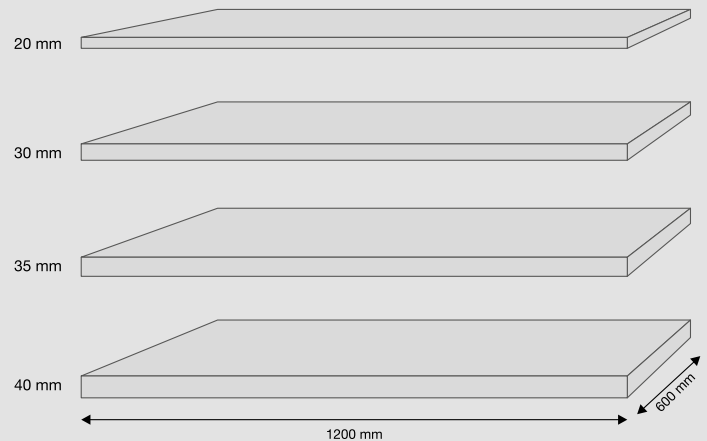
- 100 % recyclable
- 100 % HCFC, HFC and HBCD-free
- High-density (expanded) polystyrene
- High ductility
- Enables sustainable construction thanks to reversibility of window sealing and fastening when renovating
- blaugelb Insulation Panels are easy to machine/saw with a jigsaw or mitre saw (coarse 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/dm ²
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 rated value λ_{10} : DIN EN 12667:2001-05	0.0403 W/m·k
Air permeability: EN 12207	Class 4
Water vapour diffusion resistance: DIN EN ISO 12086	228 μ
Bending strength: DIN EN 12089	$\geq 2,190$ kPa

Airborne sound insulation: DIN EN ISO 717-1 (with an area of 0.8 m ²)	30 mm: R_w 28.0 dB \pm 1.2 dB 40 mm: R_w 28.5 dB \pm 1.2 dB
Compression stress (2 % compression): DIN EN ISO 13163:2017 / EN 826:2013-05	$\geq 1,435$ kPa
Shear strength: DIN EN ISO 14130	0.217 N/mm ²
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 42 mm sfs window sill screw 4.5 x 35 mm	$F_{FK,AZ}$ 1,200 N $F_{FK,AZ}$ 510 N
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 EPS 20x600x1200 mm	44 pieces	9078028
blaugelb Insulation Panel EPS 30x600x1200 mm	30 pieces	9078029
blaugelb Insulation Panel EPS 35x600x1200 mm	27 pieces	9078030
blaugelb Insulation Panel EPS 40x600x1200 mm	24 pieces	9078031



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.