



What is the key difference between our BMB items and our other proven EPS products? Well, nothing has changed when it comes to the environmentally friendly use and positive product features. When manufacturing BMB products, however, renewable resources from certified sources are substituted for a portion of the fossil resources. The proportion of renewable resources is attributed to the product in accordance with a mass balance approach, thereby allowing a reduction of the CO₂ footprint by up to 100 %.



blaugelb Triotherm+ Profiles BMB

The Triotherm+ Profile BMB – part of the blaugelb Triotherm+ system.

- 100 % recyclable, 100 % free of HCFCs, HFCs and HBCDs
- High-density (expanded) polystyrene
- High ductility
- Infinitely extensible by dovetailing
- Enables sustainable construction thanks to reversibility of window sealing and fastening when renovating
- System component of the tested pre-wall installation system blaugelb Triotherm+

Area of application:

A major area of application of the blaugelb Triotherm⁺ Profiles BMB is for extending the masonry jamb in the insulation layer of the façade, as the load-bearing, dimensionally stable installation surface for the assembly parts to be fitted. The blaugelb Triotherm⁺ Profiles BMB can introduce the resulting forces reliably into the load-bearing structure via the mechanical fastening. The permanently dimensionally stable blaugelb Triotherm⁺ Profiles BMB always form a level plane for the regulation-compliant sealing of connecting joints between construction elements.

blaugelb Triotherm⁺ Profiles BMB made from a high-density EPS (expanded polystyrene) are one of the three system components of the blaugelb Triotherm⁺ system. The robust, hard-wearing profiles exhibit load-bearing capacity, can be fitted to the load-bearing structure quickly and easily, and offer thermally isolated load transfer – thermal bridges from the structurally necessary fastening of construction elements are reduced to a minimum. blaugelb Triotherm⁺ Profiles BMB can be integrated perfectly into the insulating zones of all façade systems.

The waste-free joining of the blaugelb Triotherm⁺ Profiles BMB brings clear advantages for the fitter by virtue of the extruded, positive-locking dovetail design. Thanks to their low weight and compact dimensions, the blaugelb Triotherm⁺ Profiles BMB are unbeatably quick and straightforward to process.

Expert sealing and mechanical fastening of the blaugelb Triotherm⁺ Profiles BMB to the load-bearing base is necessary, but takes only a few minutes. For more detailed information on installation, please consult the installation instructions at www.blaugelb.de

Product benefits:

- Stable dimensions and volume
- Insensitive to moisture, non-ageing
- 100 % recyclable, 100 % free of HCFCs and HFCs
- HBCD (hexabromocyclododecane)-free
- High-density (expanded) polystyrene
- High ductility
- Thanks to 100 % reversibility of window fastening for renovation, makes a major contribution to sustainable building
- Time savings thanks to few working steps and swift combination with the system components
- Profiles are easy to machine/saw with a jigsaw or mitre saw (coarse longitudinal-cut blade)
- Can be cut to shape precisely and with minimal dust
- Infinitely extensible by dovetailing
 - Very good fit of the dovetail joint
 - High level of joint stability
 - Waste-free processing
- Profiles exhibit a very low weight and compact dimensions
 - Advantage for transporting to/on construction site
 - Advantage for handling

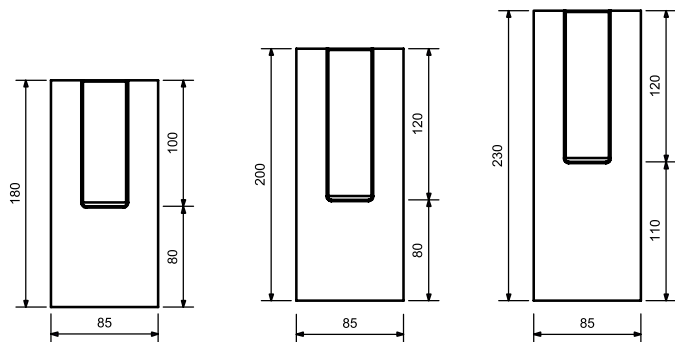
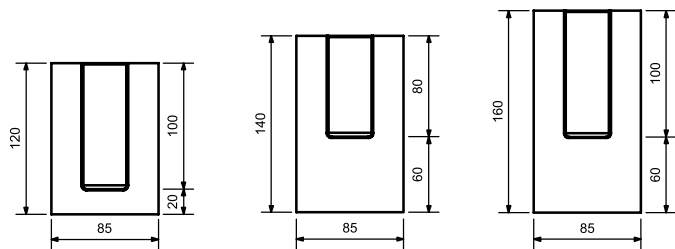
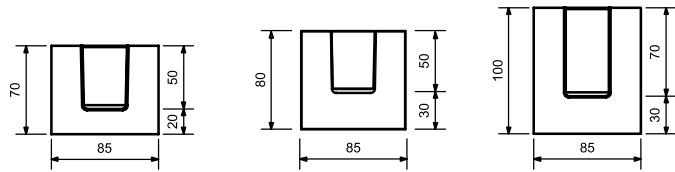
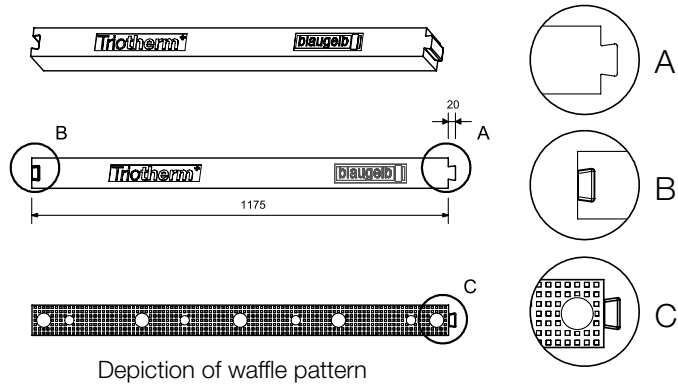
- Window frames can be screwed on without pre-drilling of the blaugelb Triotherm⁺ Profiles BMB
- Waffle structure increases the adhesion of the seal between the base and the blaugelb Triotherm⁺ Profiles BMB
- Production process constantly maintains very high dimensional accuracy and geometrical accuracy of the blaugelb Triotherm⁺ Profiles BMB
 - Always straight
 - Always level sealing flanks
- High inherent stability and flexural strength, high ductility
- Airtight, connection between profile and base is verified by technical tests
- Absorption of high building tolerances flush with windows is verified by technical tests
- Reduces thermal bridges in the mounting plane of the assembly parts
- Tested to be low in pollutants according to EMICODE EC1 Plus

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 nominal value λ_{10} : DIN EN 12667:2001-05	0.0375 W/m ² K
Air permeability: EN 12207	Class 4
Water vapour diffusion resistance: DIN EN ISO 12086	228 μ
Bending strength: DIN EN 12089	$\geq 2,490$ kPa
Compression stress (2 %) compression: DIN EN DIN EN 13163:2017 / EN 826:2013-05	$\geq 1,435$ kPa
Shear strength: DIN EN ISO 14130	0.217 N/mm ²
Screw withdrawal value: (Frame screw Fix FK-T30 7.5 x 62 mm)	2,100 N
Water absorption after 28 days under water: DIN 12087	≤ 0.5 vol. %
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	Item no.
blaugelb Triotherm ⁺ Profile BMB 70x85x1175 mm	Bundle of 9 pcs.	9212339
blaugelb Triotherm ⁺ Profile BMB 80x85x1175 mm	Bundle of 9 pcs.	9216652
blaugelb Triotherm ⁺ Profile BMB 100x85x1175 mm	Bundle of 6 pcs.	9212340
blaugelb Triotherm ⁺ Profile BMB 120x85x1175 mm	Bundle of 6 pcs.	9212341
blaugelb Triotherm ⁺ Profile BMB 140x85x1175 mm	Bundle of 6 pcs.	9212342

Product name	PU	Item no.
blaugelb Triotherm+ Profile BMB 160x85x1175 mm	Bundle of 6 pcs.	9212343
blaugelb Triotherm+ Profile BMB 180x85x1175 mm	Bundle of 3 pcs.	9212344
blaugelb Triotherm+ Profile BMB 200x85x1175 mm	Bundle of 3 pcs.	9212345
blaugelb Triotherm+ Profile BMB 230x85x1175 mm	Bundle of 3 pcs.	9212346



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.

Service

Instruction on the expert, system-compliant use of the blaugelb Triotherm+ installation system can be provided by our specialist advisors (info@blaugelb.de).

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.