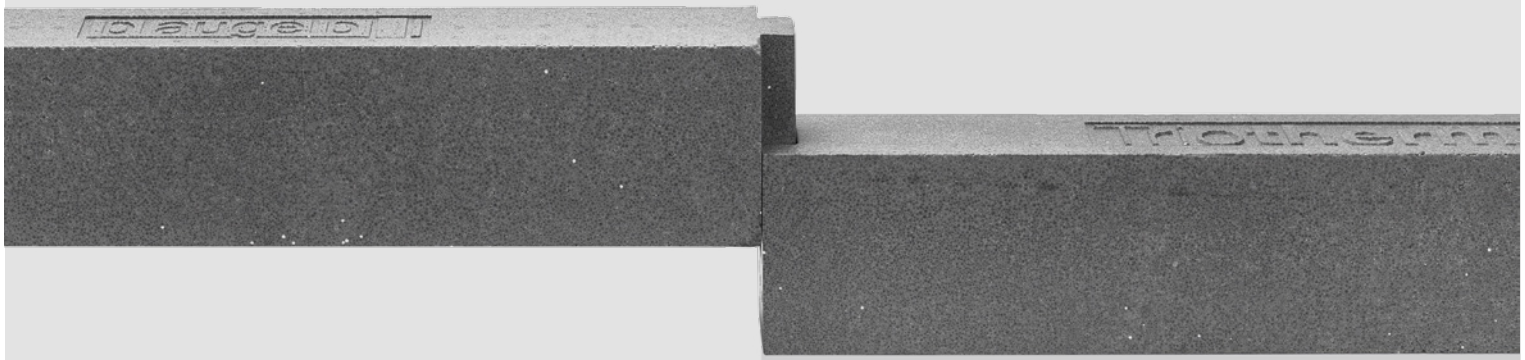
The blaugelb Trio**therm**+ Profiles are part of the Trio**therm**+ overall system for building element installation in the insulating layer of façades. They transfer all loads arising reliably and without distortion, and systematically apply them to the load-bearing structure. The blaugelb Trio**therm**+ Profiles allow efficient sealing of window connection joints in accordance with the applicable regulations.



blaugelb Trio**therm**+ Profiles

The Trio**therm**+ Profile – part of the blaugelb Trio**therm**+ system.

Area of application:

A major area of application of the blaugelb Trio**therm**+ Profiles 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 Trio**therm**+ Profiles can introduce the resulting forces reliably into the load-bearing structure via the mechanical fastening. The permanently dimensionally stable blaugelb Trio**therm**+ Profiles always form a level plane for the regulation-compliant sealing of connecting joints between construction elements.

blaugelb Trio**therm**+ Profiles made from a high-density EPS (expanded polystyrene) are one of the three system components of the blaugelb Trio**therm**+ 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. The blaugelb Trio**therm**+ Profiles can be integrated perfectly into the insulating zones of all façade systems.

- 100 % recyclable, 100 % free of HCFCs, HFCs and HBCDs
- Tested to be very low in emissions according to EMICODE EC1 Plus
- High-density (expanded) polystyrene
- High ductility
- Enables sustainable construction thanks to reversibility of window sealing and fastening when renovating
- System component of the tested pre-wall installation system blaugelb Trio**therm**+

Continued on the next page

The waste-free joining of the blaugelb Trio**therm**+ Profiles 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 Trio**therm**+ Profiles are unbeatably quick and straightforward to process.

Expert sealing and mechanical fastening of the blaugelb Trio**therm**+ Profiles 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

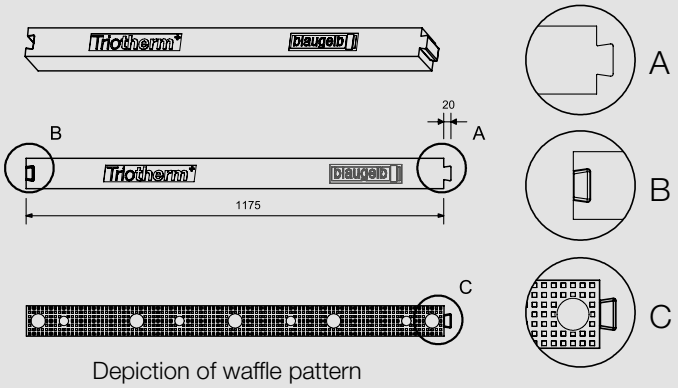
Product benefits:

- 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
- Profiles 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 Trio**therm**+ Profiles
- Waffle structure increases the adhesion of the seal between the base and the blaugelb Trio**therm**+ Profiles
- Production process constantly maintains very high dimensional accuracy and geometrical accuracy of the blaugelb Trio**therm**+ Profiles
  - 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 very low in emissions according to EMICODE EC1 Plus

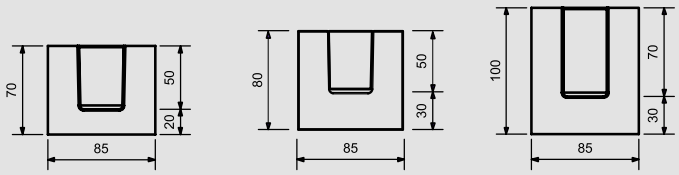
Technical data:

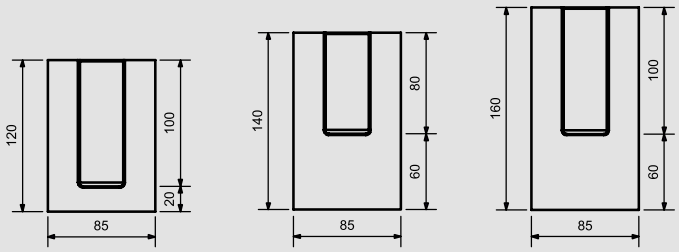
Material:	High-density EPS (expanded polystyrene), high ductility
Colour:	Grey
Compressive load bearing capacity at max. total deformation of 2 %:	1,260 kg/dm^2
Compressive load bearing capacity at 60 x 40 mm: (blaugelb Spacer Block)	5,800 N
Compressive load bearing capacity at 210 x 53 mm: (blaugelb Shim Block HST)	15,510 N
Fire behaviour: **DIN 4102-1:1998-05 / DIN EN 13501-1:2019-05**	B2 / Class E
Thermal conductivity rated value λ_{10}: **DIN EN 12667:2001-05**	0.0374 W/m*K
Air permeability: **EN 12207**	Class 4
Water vapour diffusion resistance: **DIN EN ISO 12086**	228 µ
Bending strength: **DIN EN 12089**	≥ 2,490 kPa
Sound insulation	up to 58 dB
Compression stress (2 %) compression: **DIN EN 13163:2017 / EN 826:2013-05**	≥ 1,435 kPa
Shear strength: **DIN EN ISO 14130**	0.217 N/mm^2
Screw withdrawal value with screw-in depth = 60 mm: (Frame Screw Fix FK-T30 7.5 x 62 mm)	2.20 kN
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

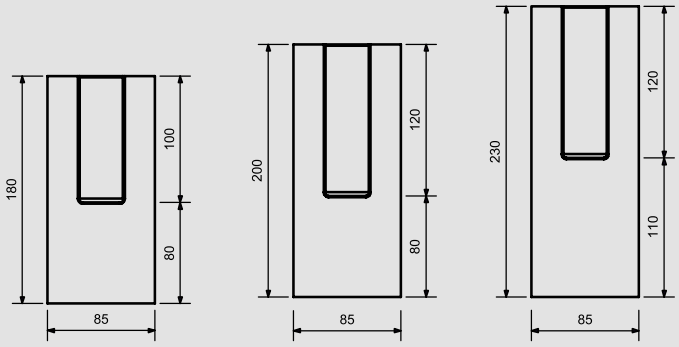
Product name	PU	Item no.
blaugelb Trio**therm**+ Profile 70x85x1175 mm	Bundle of 9 pcs.	0420838
blaugelb Trio**therm**+ Profile 80x85x1175 mm	Bundle of 9 pcs.	9216354
blaugelb Trio**therm**+ Profile 100x85x1175 mm	Bundle of 6 pcs.	0425988
blaugelb Trio**therm**+ Profile 120x85x1175 mm	Bundle of 6 pcs.	0420839
blaugelb Trio**therm**+ Profile 140x85x1175 mm	Bundle of 6 pcs.	9035238
blaugelb Trio**therm**+ Profile 160x85x1175 mm	Bundle of 6 pcs.	0420840
blaugelb Trio**therm**+ Profile 180x85x1175 mm	Bundle of 3 pcs.	9035239
blaugelb Trio**therm**+ Profile 200x85x1175 mm	Bundle of 3 pcs.	9021633
blaugelb Trio**therm**+ Profile 230x85x1175 mm	Bundle of 2 pcs.	9021632



Depiction of waffle pattern







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 Trio**therm**+ 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.

The information provided in this document corresponds to the information and technical details available to the best of our knowledge. However, this does not constitute a guarantee pursuant to section 443 of the German Civil Code (BGB). Our processing instructions are to be considered only as general guidelines and may differ in the individual case due to the range of possible uses and applications. They do therefore not automatically exempt the user from carrying out their own tests. We reserve the right to make technical modifications and enhancements at any time.