

PC[®] 60

two-component adhesive

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1. Description and area of application

PC[®] 60 is a solvent-free, flexible two-component adhesive which has a high flashpoint making it not easily combustible, for fastening and sealing the joints of FOAMGLAS[®] pipe sections, segments and boards.

PC[®] 60 is harmless, no taste or smell (qualified for food warehouses).

Benefits

The material has good resistance to

- water
- non-oxidizing diluted acids
- oils
- mild solvents.



PC[®] 60 due to its chemical structure, can be used for fastening, and as a coating and for sealing joints.

2. Application

2.1 Preparation of the substrate

The joints to be bonded must be dry, dust free and, in particular, oil- and grease-free. Concrete should be at least four weeks old. Metal surfaces are to be derusted by sandblasting. Due to the corrosion protection with the adhesive, metal surfaces with epoxy resin or PU coatings should be prepared.

2.2. Preparation of the adhesive and application procedure

The liquid component B is stirred into the "paste-like" component A and carefully mixed, preferably with a mechanical mixer (slowly running hand drill, approx. 400 rotations per minute, with a stirring rod). The mixing ratio is 4:1 (A:B), according to the weight ratio of the packaging. The pot life of the mixture is about 1-1.5 hrs at +20 °C depending on temperature. It is shorter at higher temperatures and longer at lower temperatures. Please only mix as much material as can be processed during pot life.

PC[®] 60 is prepared for application with a trowel. When bonding insulation boards and slabs, the adhesive should be evenly applied over the whole area using a 5mm x 5mm notched trowel, apply in a distance of 5 to 10 mm. When the insulation material is pressed onto the adhesive this will provide a 1.5 to 2.5 mm film.

Depending on the application and requirements, it is also possible to apply the adhesive by dabs or stripes. In case of higher loads on the insulation, support and mechanical protection are needed.

The most favourable application temperature is about + 20 °C. At lower outdoor temperatures a heater should be foreseen to ensure the indicated temperature (+ 20 °C). The substrate should not be too cold. Do not process below apply at temperatures below + 5 °C. PC[®] 60 must be kept in a cool and dry place (component B is gradually decomposed by storage in humid conditions).

2.3. Cleaning the tools

The work tools must be cleaned with solvent E.

2.4 Product Safety Notice

All material safety data sheets (MSDS) are available. They aim to ensure a safe handling of the product and correct disposal.



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3. Type of delivery and storage

Container with 10 kg (net content), consisting of: 8.0 kg of pasty component A, 2.0 kg of liquid component B

Please store in a dry, frost-free, sun- and wind-protected location.

4. Consumption

As an adhesive: approx. 3.0 – 3.5 kg/m² of gluing surface.

These quantities are for guidance only, they depend on the properties of the substrate, the thickness of the FOAMGLAS[®] slabs, the application and the site conditions etc.

5. Key data

Type	Reactive, solvent-free, two-component glue
Basis	Modified polyurethane
Consistency	pasty
Service temperature	- 50 °C to + 90 °C
Application temperature (air + subsurface)	+ 5 °C to + 35 °C
Processing time	at 25 °C: approx. 50 mins
Surface drying time	–
Depth drying time	approx. 48 hours
Ash content	–
Mass density	approx. 1.4 kg/dm ³
Colour	brown
Water vapour diffusion resistance	μ = approx. 20,000
Water solubility	insoluble after complete drying
Dry substance at 105 °C	–
Solvent	none
Reaction to fire (EN 13501-1)	–
VOC	–
Giscode	–

The physical properties indicated above are average values, which are measured under typical conditions. These values may be influenced by insufficient mixing, the type of laying, the layer thickness and the atmospheric conditions during and after application. In particular drying times are affected by temperature, air humidity, direct sunlight, wind, etc.

Additional information can be found in our technical data sheets (TDS). Our liability and responsibility are guided exclusively by our general terms and conditions and are not expanded by the statement of our technical documents nor by the advice of our technical field service.