

# PC<sup>®</sup> 800

## one-component glue and sealant

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www.foamglas.com

### 1. Description and area of application

PC<sup>®</sup> 800 is a ready to use 1 component solvent and water free thixotropic polymer glue and sealant, based on natural oils and is used in the FOAMGLAS<sup>®</sup> compact roof system. PC<sup>®</sup> 800 is used for the full bonding and close joints of FOAMGLAS<sup>®</sup> slabs or blocks on roofs and floors made from concrete, wood and steel.



### 2. Processing

#### 2.1 Pre-treatment of the subsurface

The substrate must be clean, free from grease, dust, oil,... **Ponding water must be removed but surface can/may be moist/damp.** Surfaces soiled with formwork oil, etc., must be pre-treated accordingly. In that case Rubio Acrylbond Primer, specially developed for this type of glue, must be applied as the bonding agent.

#### 2.2 Preparing the glue or contact layer

PC<sup>®</sup> 800 is a ready-for-use one-component glue. Before use, the container is loosened.

#### 2.3 Gluing FOAMGLAS<sup>®</sup> READY BLOCK or FOAMGLAS<sup>®</sup> TAPERED READY BLOCK

PC<sup>®</sup> 800 is applied with a specially adjusted rubber scraper on the full surface of the bearing substrate.

The adjoining cut surfaces of every slab (side joints) are dipped in the cold glue, which was already applied to the subsurface. At a distance of about 3 cm, the FOAMGLAS<sup>®</sup> READY BLOCKS are glued with staggered joints, by pressing them down onto the subsurface (using a circular motion) and ensuring joints are sealed by pushing cut surfaces together by diagonal insertion. A bitumen membrane can be welded directly on the FOAMGLAS<sup>®</sup> READY BLOCK.

#### 2.4 Cleaning the tools

The devices can be cleaned with solvents as well as turpentine oil or fuel if done before drying. After drying tools can only be cleaned mechanically.

#### 2.5 Product Safety Notice

Safety Data Sheet (SDS) is available. It aims to ensure a safe handling of the product and correct disposal by the customer.

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### 3. Type of delivery and storage

PC<sup>®</sup> 800 : available in bags of 25 kg

- Store in a cool and dry place in well-sealed packages.
- Protect from heat and direct sunlight.
- Keep away from open flames and sparks.

### 4. Consumption

As glue (fully bonded): approx. 4.0 – 6.0 kg/m<sup>2</sup>

These quantities are for guidance only; they depend on the properties of the substrate, the thickness of the FOAMGLAS<sup>®</sup> slabs, the application and site conditions, etc.

### 5. Key data

Type	One-component glue
Basis	Natural oils and other mineral substances but without fibres
Consistency	pasty
Service temperature	- 40 °C to + 90 °C
Application temperature (air + subsurface)	+ 5 °C to + 40 °C
Processing time	at 20 °C: several days
Surface drying time	several hours
Depth drying time	several days
Mass density	approx. 1.3 kg/l
Color	Dark brown
Water vapor diffusion resistance number	μ = approx. 20 000
Water solubility	insoluble after complete drying
Solvent	–
Reaction to fire (EN 13501-1)	–
VOC	free
Giscode	–

The physical properties indicated above are average values, which are measured under typical conditions. These values may be influenced by 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, sun irradiation, wind, etc.