

# PC<sup>®</sup> 74 A2

## A2 coating and glue

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### 1. Description and area of application

PC<sup>®</sup> 74 A2 is a mineral product that can be used as a reinforced coating and as a glue.

PC<sup>®</sup> 74 A2 is mixed with water, in particular used as non-inflammable coating on FOAMGLAS<sup>®</sup> in fresh air ducts or on air channels, pipelines and cavity floors as an example.

The non-inflammable property of PC<sup>®</sup> 74 A2 (building material class A2 in accordance with EN 13501).



### 2. Application

#### 2.1 Preparation of the substrate

When using PC<sup>®</sup> 74 A2 as glue, the substrate in masonry or concrete must be clean, (surface) dry and supporting. Remove soiling substances (e.g. formwork oil, dust) as well as protruding mortar 'snots' with a high-pressure cleaner, where necessary reinforce the surface with primer concentrate.

#### 2.2 Preparation of the product

Add approx. 5-6 litres of clean cold water to a bucket and slowly add PC<sup>®</sup> 74 A2. Mix with a strong, slowly running drill with a paddle and stir to a lump-free mass. Let the product rest for 10 minutes and stir again. Where required, add a little water.

#### 2.3 Application procedure

##### 2.3.1 As a glue

Use a notched stainless steel trowel (notches 8 to 10mm) to apply the PC<sup>®</sup> 74 A2 glue over the whole surface of the FOAMGLAS<sup>®</sup> slabs. The maximum thickness of the glue is 3mm.

##### 2.3.2 As a coating

When used as coating, PC<sup>®</sup> 74 A2 is applied with a stainless steel trowel in the width of the reinforcement on the FOAMGLAS<sup>®</sup> surface (consumption approx. 3.5 kg/m<sup>2</sup>). Possible surface defects must first be rectified by using FOAMGLAS<sup>®</sup> pieces in a suitable shape. Then the glass reinforcement mesh fabric PC<sup>®</sup> 150 is embedded with an approximate 100 mm overlap and again levelled out so that a full surface covering of the mesh fabric is ensured. The maximum thickness of the coating is 3mm.

#### 2.4 Cleaning the tools

Cleaning the tools with water immediately after use.

#### 2.5 Additional notes

Ambient temperatures and surface temperatures must not drop below + 5 °C during processing and in the curing phase. Do not process in direct sunlight. A too quick drying of the PC<sup>®</sup> 74 A2 as a coating has to be avoided.

#### 2.6 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

Bag content 25 kg net

- Store in well sealed bags in a dry place.

### 4. Consumption

As a coating: approx. 3.5 kg/m<sup>2</sup>

As a glue: approx. 3.5 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                                       | Mineral coating and adhesive mass  |
| Basis                                      | Dry substance from a mixture of special sands, cement and lime hydrate   |
| Consistency                                | powdery  |
| Service temperature                        | - 30 °C to + 80 °C   |
| Application temperature (air + subsurface) | + 5 °C to + 35 °C  |
| Application time                           | approx. 3 to 4 hours   |
| Surface drying time                        | between 20 mins and several hours (depending on humidity load)           |
| Depth drying time / complete curing        | approx. 24 to 72 hours, depending on construction humidity up to 28 days |
| Mass density mixture                       | approx. 1.38 kg/dm <sup>3</sup>  |
| Colour                                     | light grey   |
| Water vapour diffusion resistance number   | μ = 15   |
| Water solubility                           | insoluble after complete drying  |
| Solvent                                    | none   |
| Reaction to fire (EN 13501-1)              | A2 – s1,d0   |
| VOC  | < 1 g/l  |
| Giscode                                    | ZP1  |

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, sun irradiation, 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.