

# PC<sup>®</sup> 85 Cell filler

## 1. Description and area of application

PC<sup>®</sup> 85 is a mineral based, totally inorganic powder that has been especially designed for filling the open surface cells of FOAMGLAS<sup>®</sup> cellular glass, when used for the insulation of liquid oxygen, liquid nitrogen or hot tank bottoms. This powder, together with appropriate interleaving layers (felt or mineral sheet) can achieve the desired load distribution even if the compressive strength reached with this system is slightly inferior to the reference value under EN 826 or ASTM C 240-91 conditions.



## 2. Application

### 2.1. Preparation of the substrate

The FOAMGLAS<sup>®</sup> insulation surface should be clean, dry and free from all traces of grease, rust, dust, oil, moisture, scale, etc.

### 2.2 Preparation of the adhesive and application guideline

PC<sup>®</sup> 85 is poured dry onto one face of the FOAMGLAS<sup>®</sup> slab and spread by means of a rubber scraper in order to fill all open cells. The slab is then gently turned over and applied. (The powder sticks to the slab during this manipulation). The upper face of the slab is then powdered with PC<sup>®</sup> 85 and evened out. Apply enough PC<sup>®</sup> 85 Powder in order to obtain a flat surface.

### 2.3. Cleaning the tools

Dry dusting.

### 2.4. Limitations

No particular limitations.

### 2.5 Product Safety Notice

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

## 3. Type of delivery and storage

Delivered in polyethylene lined paper bags of 25 kg.

- Store cool and dry in well-closed containers.
- Protect against heat and direct exposure to sunrays.
- Protect against frost.

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#### 4. Consumption

Coverage : 1.2 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 in impalpable powder form, one component
Basis	-
Consistency	powder
Service temperature	- 200 °C to + 350 °C
Application temperature (air + basis surface)	min. + 5 °C to + 40 °C
Application time	-
Drying time at 25 °C	-
Dehydration time	-
Mass density	approx. 0.7 kg/dm <sup>3</sup>
Colour	white
Water vapour diffusion resistance figure	-
Water solubility	-
Solvents	none
Reaction to fire (EN 13501-1)	non combustible
VOC	free
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.