

Cementitious fairing coat

**PCI Barrafill® L**

for concrete wall surfaces

**PCI**<sup>®</sup>  
Für Bau-Profis



### Fields of application


- For indoor and outdoor use.
- For walls and soffits.
- For cosmetic work on concrete components.
- For the restoration of damaged edges and corners.
- For large surfaces.
- For repairing irregular wall surfaces.
- For repairing cement render.
- For filling honeycombs and cavities.
- Layer thickness for break-outs 1 to 10 mm.
- Layer thickness for large surfaces 1 to 7 mm.



PCI Barrafill L for cosmetic work on concrete components.

### Features and benefits

- Single component.
- Ready for use.
- Waterproof, weather-resistant and frost-resistant.
- Easy to use, smooth consistency.
- Fast setting, but still approx. 50 minutes working time.
- Excellent bond to mineral substrates (such as concrete or render) and masonry.
- Available in grey and dark grey, can be mixed to match the colour of the substrate.
- Can be painted over without any problems.
- Good adaptation to the existing concrete surface as the surface structure can be individually shaped by different working methods.
- Certified to EN 1504-3 R2.

	
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<b>PCI Augsburg GmbH</b> Piccardstraße 11 D-86159 Augsburg	
13 DE0097/02	
<b>PCI Barrafill L (DE0097/02)</b> EN 1504-3:2005	
<small>Polymermodified mortar based on hydraulic cement (PCC) for non structural repair of concrete structures EN 1504-3 Methods 3.1/3.2/7.1/7.2</small>	
Reaction to fire	Class E
Compressive strength	Class R2
Chlorid ion content	≤ 0,05 %
Adhesive bond	≥ 0,8 MPa
Thermal compatibility	≥ 0,8 MPa
Part 1: Freeze-thaw	≥ 0,5 kg/m <sup>2</sup> ·h <sup>0,5</sup>
Capillary absorption	Comply with 5.4 (EN 1504-3)
Dangerous substances	Comply with 5.4 (EN 1504-3)

A brand of

 **BASF**

We create chemistry

## Technical data

### Material

Material base	dry mortar mix with special cement, aggregates and polymers
Colour	grey
Particle size	0 - 0.4 mm
Packaging size	8 kg plastic pail, stock no. 1140 (grey) 20 kg plastic pail, stock no. 1141 (grey) 25 kg bag, stock no. 1340 (grey) 20 kg plastic pail, stock no. 1338 (dark grey)
Shelf life	min. 9 months when stored in dry, frost-free conditions, no permanent storage over +30 °C

### Application

Layer thickness	max. 10 mm for break-outs max. 7 mm for large areas
Consumption	
- fresh mortar	approx. 1.8 kg/m <sup>2</sup> and mm layer thickness
- dry mortar	approx. 1.5 kg/m <sup>2</sup> and mm layer thickness
Coverage	
- 1 kg powder	approx. 0.65 l or 0.3 m <sup>2</sup> at 2 mm layer thickness
- 8 kg pail	approx. 5.4 l or 2.7 m <sup>2</sup> at 2 mm layer thickness
- 20 kg pail	approx. 13.0 l or 6.5 m <sup>2</sup> at 2 mm layer thickness
Substrate and working temperature	+5 °C to +30 °C
Mixing ratio	approx. 3.5 parts of PCI Barrafill L to 1 part of water (by volume)
Gauging water quantity	1.7 - 1.85 l water per 8 kg powder 4.3 - 4.6 l water per 20 kg powder 5.3 - 5.7 l water per 25 kg powder
Mixing time	approx. 1 minute
Working time*	approx. 50 minutes
Curing times*	
- can be painted over with silicate, cement and dispersion paint	after approx. 4 hours
- can be fully loaded	after approx. 7 days
Compressive strength after 28 days	≥ 30 N/mm <sup>2</sup>
Bending tensile strength after 28 days	≥ 6 N/mm <sup>2</sup>
Adhesive tensile strength	
- at room temperature after 28 days	≥ 0.8 N/mm <sup>2</sup>
- after exposure to frost, thawing and de-icing salt	≥ 0.8 N/mm <sup>2</sup>
Water absorption	approx. 0.39 kg/(m <sup>2</sup> xh0.5)

\* Curing times are measured at +20 °C and 65 % relative humidity. Higher temperatures and/or higher relative humidities may reduce these times and vice versa. The technical data have been determined in accordance with the standards indicated. The physical properties of the product may change at site conditions.

## Preparation of substrate

■ The substrate must be rough, clean, able to bear weight and free from dust, oil and grease. Remove loose materials and cement slurry.

Thoroughly moisten the substrate and allow it to dry to a matt, moist state before applying the mortar. The substrate must be in a matt, moist

state but there must be no liquid on the surface. Use PCI Entöler oil remover to clean surfaces contaminated by grease and oil.

## Application procedure

**1** Moisten the repair point and allow the surface to dry to a matt, moist state.  
**2** Fill water into a clean mixing container, add the required amount of PCI Barrafill L and mix with a suitable stirring or mixing attachment on a drill until a smooth, lump-free mortar is produced. If additional water is required, it must not be added until the product has been mixed for 30 seconds and the

maximum water quantity must not be exceeded. Additional water may lengthen the curing time and the mortar may have a lighter colour after curing.  
**3** Apply PCI Barrafill L to the prepared substrate using a trowel.  
**4** The surface may be finished using a moist expanded polystyrene, felt or sponge float, a plastic smoother or a synthetic sponge.

**The layer thickness per working step must not exceed 10 mm in the case of break-outs or 7 mm in the case of large areas.** The surface may be finished while the mortar is setting. The correct time for finishing depends on climatic conditions, the moisture content of the substrate, the consistency of the mortar and the thickness of the layer which is applied.

## Cleaning of tools

Clean tools with water immediately after use. When it has cured, the product can

only be removed from tools by mechanical scraping.

## Please note

- Never add water or fresh mortar to reconstitute a mortar mix which has already begun to set.
- PCI Barrafill L must be protected against rapid drying in hot weather, direct sunlight or strong winds and must also be protected against rain.
- Both the quantity of gauging water and the timing and type of surface finishing may affect the colour of the mortar.
- In order to adjust the colour, PCI Barrafill L grey and dark grey may be mixed both as a powder and as fresh mortar.
- For large-area repairs requiring thick layers of material, use PCI Nanocret FC or PCI Nanocret R2 on walls and PCI Nanocret R4 on floors.
- In the case of large-area repair work, the substrate must have a strength in excess of 0.8 N/mm<sup>2</sup>.

## Declaration of Performance

The Declaration of Performance can be downloaded on the Internet under

[www.pci-augsburg.eu/produkte/leistungserklaerung](http://www.pci-augsburg.eu/produkte/leistungserklaerung).

## Information on the safe use

PCI Barrafill L contains cement. Causes serious eye damage. Causes skin irritation. May cause respiratory irritation. Keep out of reach of children. Wear protective gloves (e.g. cotton gloves soaked in nitrile) and eye protection/face protection. Avoid breathing dust. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if

present and easy to do. Continue rinsing. Get immediate medical advice/attention. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. IF ON SKIN: Wash with plenty of soap and water and put skin cream on (pH value approx. 5.5). IF SKIN IRRITATION OCCURS: Get medical advice/attention. Take off

contaminated clothing and wash it before reuse.

The product is non-flammable.

No special fire precautions are therefore required. Water hazard class 1 (self-rating).

Giscode: ZP 1

*For further information: see PCI Material Safety Data Sheet.*



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zertifiziertes Qualitäts-  
managementsystem

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