

Instant cement mortar

PCI Polyfix® 5 Min.

for repair and anchoring

PCI[®]
Für Bau-Profis



Fields of application

- For indoor and outdoor use.
- For anchoring machines, engines, door frames, windows, anchors, banisters, railings for balconies and bridges, piping etc.
- For fixing steel posts, brackets for window sills and radiators etc.
- For fixing dowels for prefabricated elements, suspension ceilings and installation of shelves, cabinets etc.
- For repairing voids, holes (e.g. after injection of cracks) and cracks.



PCI Polyfix 5 Min. is easy to apply and to be mixed with water only.

Features and benefits

- Fast setting, crack-free curing after approx. 5 minutes.
- Easy to apply, to be mixed with water only.
- No primer or bonding agent required.
- High compressive strength and bending tensile strength, secure, reliable and stable anchoring.
- Waterproof, resistant to frost and weather conditions, multi-purpose use indoors and out.
- Chloride free, does not cause corrosion to steel.
- Sulphate resistant, suitable for potable water application.



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DE0061/03

PCI Polyfix 5 Min. (DE0061/03)
EN 998-1:2016

General purpose rendering mortar
EN 998-1 GP CS IV

Reaction to fire	Class A1
Water absorption	W0
Water vapour permeability μ	≤ 25
Adhesion	$\geq 1.0 \text{ N/mm}^2$
	FP-A/B
Thermal conductivity $\lambda_{10, \text{dry}}$ (Table value to EN 1745:2012)	$\leq 1.11 \text{ W/(m}\cdot\text{K)}$ for P _h = 50 % $\leq 1.21 \text{ W/(m}\cdot\text{K)}$ for P _h = 90 %

A brand of

BASF

We create chemistry

Technical data

Material

Material base	special cement with additives, chloride free
Components	single component
Fresh mortar density	approx. 2.1 g/cm ³ and/or kg/l
Consistency	powder
Grain size / largest grain	0.5 mm
Shelf life	min. 9 months
Storage	dry, no permanent storage over +30°C
Packaging size	15 kg pail stock no. 1128/7 5 kg pail stock no. 1127/0 1 kg can stock no. 1198/0

Application

Consumption	approx. 2.1 kg of fresh mortar and/or approx. 1.75 kg of dry mortar per litre hollow space
Processing temperature	+5°C to +30°C (substrate temperature)
Quantity of gauging water	
- for 15 kg pail	approx. 3.0 l
- for 5 kg pail	approx. 1.0 l
- for 1 kg powder	approx. 200 ml
Mixing ratio	
- PCI Polyfix 5 Min.	approx. 3.5 - 4.0 parts by volume
- water	approx. 1 part by volume
Mixing time	approx. 30 to 60 seconds (depending on quantity)
Volume up to void of 0.5 l	unblended use
Larger voids	premix 1 : 1 parts by volume with dry sand 0/4 mm
Processing time*	approx. 3 minutes after mixing
Curing time*	approx. 5 minutes after mixing

* At +23°C and 50% relative humidity. Higher temperatures reduce, lower temperatures increase the times given.

Preparation of substrate

■ The substrate must be clean, free of dust, and able to bear weight.

Thoroughly pre-wet substrate prior to the application. Do not overwater!

Application procedure of PCI Polyfix 5 Min.

1 Fill PCI Polyfix 5 Min. in a clean mixing bucket and add water (see "Technical Data").
2 Mix mortar until a creamy consistency is produced using a trowel to mix by hand or a suitable paddle (e.g. from Collomix) attached to an electric drill.

3 Apply mixed PCI Polyfix 5 Min. within 3 minutes!
4 Press mixed mortar firmly and deeply into the void using a trowel!
5 The remaining mortar must be applied immediately and moulded if necessary.
6 When filling larger voids, PCI Polyfix 5

Min. can be pre-mixed with 1 part by volume of washed, dry sand, grain size 0 to 4 mm, before mixing the product (mixing ratio in parts by volume 1 : 1). Mix with water until a creamy consistency is produced or use PCI Polyfix plus.

Technical Data Sheet

PCI Polyfix® 5 Min.

Please note

- Do not apply PCI Polyfix 5 Min. in extreme heat and strong wind.
- Never mix PCI Polyfix 5 Min. with other mortars or binding agents.
- Low temperatures increase, high temperatures reduce the processing time and setting time.
- A mortar mix which has already begun to set cannot be reconstituted by adding water or mixing once again.
- Gypsum substrates are suitable when sufficiently sound (test by scratching the surface) and primed with undiluted PCI Gisogrund before starting the application. Allow primer to dry.
- Use PCI Polyfix 30 Sek. for fast repairs of leaking water areas!
- Use PCI Verguss-Fix for fast repairs which require a pourable consistency.
- Store open pails tightly closed.
- Suitable tools are available from e.g. Collomix GmbH, Horchstr. 2, 85080 Gaimersheim/Germany, www.collomix.de.
- Clean tools with water immediately after use; when the product has cured it can only be removed by mechanical scraping.

Declaration of Performance

The Declaration of Performance can be downloaded as pdf file under www.pci-augsburg.eu/dop.

Information on the safe use

PCI Polyfix 5 Min. 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/ 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.

Disposal of emptied PCI sales packaging

PCI participates in an area-wide waste disposal system for sales packaging completely emptied. DSD – Duales System Deutschland (Dual System Germany, contract number 1357509) is

our partner for waste disposal. PCI sales packaging completely emptied can be disposed of via DSD in accordance with the symbol printed on the packaging.

Services for architects and designers

Consultations at the workplace, supplementary information, testing certificates and sample descriptions can

be requested from professional advisors and at the company headquarters.



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zertifiziertes Qualitäts-
managementsystem

In view of widely varying site conditions and fields of application of our products this technical data sheet is meant to provide general application guidelines only. This information is based on our present knowledge and experience. The customer is not released from the obligation to conduct careful testing of suitability and possible application for the intended use. The customer is obliged to contact the technical help-line for fields of application not expressly stated in the technical data sheet under "Fields of Application". Use of the product beyond the fields of application as stated in the technical data sheet without previous consultation with PCI and possible resulting damages are in the sole responsibility of the customer. All descriptions,

drawings, photographs, data, ratios, weights a.o. stated herein can be changed without advance notice and do not represent the condition of the product as stipulated by contract. It is the sole responsibility of the recipient of our products to observe possible proprietary rights as well as existing laws and provisions. The reference of trade names of other companies is no recommendation and does not exclude the use of products of similar type. Our information only describe the quality of our products and services and are no warranty. Liability is accepted for incomplete or incorrect particulars in our data sheets only in the event of intent or gross negligence, without prejudice to claims under product liability laws. All transactions are subject to our Terms of Sale and Supply.

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German edition February 2017; the latest edition is always available on the Internet under www.pci-augsburg.de