

Mortar bonding agent

PCI Repahaft[®]

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for bonded screeds and
cementitious mortars

FIELDS OF APPLICATION

- For indoor and outdoor use.
- For walls and floors.
- Bonding agent for the repair mortar PCI Repament as well as for the ready-to-mix mortars for fast-track screeds PCI Novoment M1 plus, PCI Novoment M3 plus, drain and screed mortar PCI Pavifix DM and sand-cement mortars.
- Bonding agent for the installation of fast setting screeds based on binder PCI Novoment Z1 and PCI Novoment Z3 as well as for conventional cement screeds.
- Bonding agent for the production of bonded coverings in industrial and commercial areas and also for sloping screeds on balconies and terraces.



PCI Repahaft is brushed on to the substrate. After this the screed mortar is immediately applied on to the fresh bonding agent.

- Bonding agent for natural stone insensitive to staining and non translucent.

FEATURES AND BENEFITS

- **Highly secure bonding.** Following the appropriate preparation of the substrate, a powerful bond is formed between the cement-based substrate and PCI Repament, PCI Novoment M1 plus, PCI Novoment M3 plus, PCI Pavifix DM, PCI Novoment Z1 screed, PCI Novoment Z3 screed or conventional cement screeds.
- **Waterproof and frost resistant,** suitable for universal internal and external use.



TECHNICAL DATA

MATERIAL

Material base	special cement, polymers and aggregates
Components	1 part
Fraction	0 - 2.2 mm
Consistency	powder
Labelling for	
- Regulation for hazardous goods on roads	non hazardous
- Regulation for hazardous substances	irritant, contains cement
<i>For further information refer to Health and Safety.</i>	
Shelf life	min. 6 months when stored in dry conditions, no permanent storage over +30°C
Packaging	25 kg PE lined heavy duty paper bag 5 kg bag

APPLICATION

Consumption	approx. 2 to 2.5 kg of dry mortar/m ²
Layer thickness	approx. 1.5 mm
Working temperature	+5°C to +30°C (temperature of substrate and circulating air)
Quantity of gauging water	
- for 25 kg bag	approx. 6 litres
- for 5 kg bag	approx. 1.2 litres
- for 1 kg powder	approx. 240 ml
Mixing time	approx. 3 minutes
Working time*	approx. 1 hour

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

PREPARATION OF SUBSTRATE

■ The substrate must be clean, sound, open-pored, absorbent, and sufficiently rough. In the case of bonded coverings exposed to heavy use, the concrete substrate must comply with grade B 25 as a minimum.

Extremely impermeable and smooth substrates, any layers which are not able to bear weight and also damaged concrete surfaces must be roughened and/or removed by appropriate methods, e.g. jet blasting with solid blasting agents or high pressure water jets. When repointing any surface ruptures (mortar fillings) the areas at the edges must be laid at an angle of 30° to 60° leaving a rough joint.

Wet the pre-treated cementitious substrate at least 2 hours, and if possible 24 hours, before applying PCI Repahaft. Keep it sufficiently damp. **Before applying the slurry the surface should be mat and damp but must not be wet!** Avoid puddles forming!

APPLICATION PROCEDURE

- ① Prepare the gauging water, add PCI Repahaft and mix for at least 3 minutes to form a lump-free bonding slurry. Quantities up to 25 kg can be mixed with a suitable paddle (e.g. from Collomix) attached to a high-speed drill. Larger quantities should be mixed in a blade-type concrete mixer.
- ② Apply the mixed PCI Repahaft immediately to the prepared surface and work in thoroughly using a hard broom for floors or a brush for walls. Fully cover the whole surface area with the bonding agent. **Do not allow the bonding agent to dry!**
- ③ Immediately after applying PCI Repahaft, apply the screed mortar or cement mortar to be installed **wet on wet**.

PLEASE NOTE

- Do not work with PCI Repahaft when substrate temperatures are below +5°C and above +30°C, or in conditions where heat or wind may have a strong effect.
- Substrates treated with water-repellent waterproofing agents or evaporation protection must be pre-treated.
- Only mix a quantity of PCI Repahaft that can be used within an hour.
- On large areas apply the slurry in sections. Any further work must be carried out **wet on wet**.
- The bonding agent must be applied to cover the whole area completely.
- Never add water or wet PCI Repahaft to a PCI Repahaft slurry which has already started to set.
- When installing natural stone, sensitive to staining and/or translucent, in the screed-bed method or medium bed method use the mortar bonding agent PCI Carrahaft.
- Suitable tools are available from e.g. Collomix GmbH, Horchstraße 2, 85080 Gaimersheim/Germany, www.collomix.de.
- Clean tools, mixing and work equipment with water immediately after use. When product is dry cleaning is only possible by mechanical means.
- Shelf life: min. 6 months when stored in dry conditions, no permanent storage over +30°C.

HEALTH AND SAFETY

PCI Repahaft contains cement. Contact with moisture or gauging water sets off an alkaline reaction which may cause skin irritation and/or caustic burns to mucous membranes (e.g. eyes). Risk of serious damage to eyes, therefore avoid contact with eyes and prolonged contact with skin. In case of contact with eyes immediately rinse with plenty of water and consult a doctor. In case of contact with skin change contaminated clothing immediately and wash skin with plenty of soap and water. Wear appropriate protective gloves (e.g. cotton gloves soaked in nitrile). Keep out of reach of children. If ingested seek prompt medical attention and show packaging or this product data sheet.
Low in chromates.

For further information refer to the PCI Material Safety Data Sheet.

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