

Special joint grout

PCI Carrafug[®]

for natural stone tiles

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FIELDS OF APPLICATION

- For indoor and outdoor use.
- For walls and floors.
- For heated screeds, balconies and terraces.
- For grouting natural stone tiles such as marble, travertine, granite, Solnhofen stone etc.
- For joint widths from 1 to 8 mm.



Even sensitive natural stone tiles can be securely laid with PCI Carrafug without staining.

FEATURES AND BENEFITS

- **Crack-free hardening**, the grout does not crack or crumble.
- **Rapid setting**, can be washed quickly and is walkable after approx. 6 hours, enables efficient working.
- **Waterproof and frost resistant**, multi-purpose use indoors and out.
- **The curing process is practically independent from temperature**, the best time for washing is nearly the same at low as well as high temperatures.
- **Does not cause staining at the edge zones** with sensitive natural stone.
- **High filling volume.**
- **Temperature resistant** from -20°C to +80°C.



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TECHNICAL DATA

MATERIAL

Material base	Powder mixture consisting of cements, lightfast, alkali-resistant pigments and silica sand. Does not contain any asbestos or other mineral fibres. No injurious silica dust during the application.
Components	1 part
Labelling for	
- Regulation for hazardous goods on roads	non hazardous
- Regulation for hazardous substances	irritating, contains cement
<i>For further information refer to Health and Safety.</i>	
Shelf life	min. 12 months when stored in dry conditions, no permanent storage over +30°C
Packaging	5 kg bag
Colours	no. 25 Carrawhite no. 26 Pearl Grey no. 27 Jurabeige no. 22 Sand Grey no. 47 Anthracite

APPLICATION

Consumption and coverage* tile format	Consumption	5 kg PCI Carrafug are sufficient for approx.
- 10 x 10 cm	approx. 880 g/m ²	5.6 m ²
- 15 x 15 cm	approx. 600 g/m ²	8.3 m ²
- 15 x 30 cm	approx. 450 g/m ²	11.1 m ²
- 30 x 30 cm	approx. 300 g/m ²	16.6 m ²
Working temperature	+5°C to +25°C	
Gauging water for		
- 1 kg powder	approx. 0.26 ltr	
- 5 kg bag	approx. 1.30 ltr	
Joint width	1 to 8 mm	
Slake time	approx. 3 minutes	
Working time**	approx. 40 minutes	
Walkable after**	approx. 6 hours	
Temperature resistance	-20°C to +80°C	

* At 3 mm joint width and 10 mm joint depth.

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

PREPARATION OF SUBSTRATE

- Immediately after bedding the tiles, rake joints clean to a uniform depth corresponding to the thickness of the tile. Allow bedding mortar to set. Do **not** prewet the joints prior to grouting.

APPLICATION PROCEDURE

① Place gauging water (see Technical Data/Application) in a clean mixing vessel. Add PCI Carrafug and mix with a suitable paddle (e.g. available from Collomix) attached to an electric drill until a plastic, lump-free consistency is achieved.

② Re-mix after a slake time of approx. 3 minutes.

Grouting

③ Use a rubber float (PCI Gummifugscheibe) in wall and floor applications, also a surface scraper on floors. Fill joints flush with the tile surface. Allow the grout to firm up in the joint (until it is resistant to thumb pressure) and scrape off excess grout with a lightly damp sponge or sponge board.

④ After drying remove the remaining grout film with a damp sponge.

PLEASE NOTE

- The absorbency of natural stones varies by nature. Therefore only use a damp sponge for washing as otherwise the joint surface will become too rough.
- In case of very absorbent natural stones it is recommended to apply the protective impregnation PCI Vorimprägnierung to the surfaces prior to grouting.
- If the grout is still damp **do not** use a dry cloth, but only a damp sponge for cleaning as otherwise colour pigments are rubbed into the joints which might cause discolourations.
- After coloured grouting of marble or natural stones with a rough surface pigments may be left in the surface. If in doubt carry out trial grouting.
- **Never** use PCI Carrafug for joint widths below 1 mm.
- Do not apply PCI Carrafug at temperatures below +5°C and above +25°C or if exposed to rain or draughts.
- Never add water or wet grout and/or powder to reconstitute a PCI Carrafug mix that has already begun to set.
- Do not treat natural stones sensitive to acids, e.g. marble, with an acid cement stain remover or other acid-containing cleaners. We recommend to use the special alkaline cleaner PCI Zementschleier-Entferner alkalisch.
- Exposure to acid-containing, cement-attacking cleaning agents may cause damage to the hard grout.
- Seal movement, corner and connection joints with the elastic sealant PCI Carraferm (see technical data sheet).
- Clean tools with water immediately after use; once the product is hard it can only be removed by mechanical means.
- Suitable tools are available from e.g. Collomix GmbH, Horchstraße 2, 85080 Gaimersheim/Germany, www.collomix.de.
- Shelf life: min. 12 months when stored in dry conditions, no permanent storage over +30°C.

HEALTH AND SAFETY

PCI Carrafug 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 seek medical attention. 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 swallowed seek prompt medical attention and show packaging or this product data sheet.

Low in chromates according to TRGS 613.

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

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In view of widely varying site conditions and fields of application of our products this 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 data sheet under "Fields of Application". Use of the product beyond the fields of application as stated in the data sheet without previous consultation with PCI and possible resulting damages are in the sole responsibility of a customer. 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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Für Bau-Profis



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