

## Universal Joint Grout

# PCI Wall and Floor Grout

For wall and floor joints 2 – 18 mm

PCI Wall and Floor Grout audited in Accordance with DIN EN 13888 complies with the Euro Norm CG2

## FIELDS OF APPLICATION

- For indoor and outdoor use.
- For walls and floors
- For grouting of ceramic tiles, medium and small sized mosaic.
- For grouting of vitrified and non-vitrified tiles, vitrified facing bricks, brick tiles, floor clinkers, natural and sealed stone.
- For joint widths from: 2 - 18 mm
- Suitable for use with underfloor heating systems and timber floors.

## FEATURES AND BENEFITS

- Crack-free hardening
- Water resistant and frost resistant, multi-purpose use indoors and out.
- Resilient, therefore easy to apply.
- Matching silicone sealants available.
- Available in Camel Beige, Bahama Beige, Cement Grey No 31, Sandstone, Anthracite, Grey No 21 and Jasmine
- No waiting times after the installation of tiles, tiles can be grouted as soon as they are walkable.
- Grout is fast curing and can be walked on after 3 hours.
- Resistant to temperatures from -20°C to +80°C.
- Anti fungal

## SUBSTRATE PREPARATION

Immediately after setting the tiles, rake joints clean to a uniform depth corresponding to the thickness of the tile. Allow bedding mortar to set.

## TECHNICAL DATA

## Material

Material base cements,	Polymer modified powder mixture with high-quality colourfast and alkali-resistant pigments and fillers
------------------------	--

Components	1 part
------------	--------

Identification according to

- Ordinance on hazardous goods	non hazardous
- Ordinance on combustible liquids	n/a
- Ordinance on hazardous substances	irritant, contains cement

*For further information refer to paragraph Safety.*

Shelf life	approx. 12 months
------------	-------------------

Storage	cool and dry
---------	--------------

## Application

Yield	5 kg bag	10 kg bag	20 kg bag
- tiles 150 x 150 x 5mm (5mm Joint)	approx 9 m <sup>2</sup>	approx. 18 m <sup>2</sup>	approx. 36m <sup>2</sup>

Joint width	2 - 18 mm
-------------	-----------

Working temperature	+5°C to +30°C
---------------------	---------------

Gauging water	Joints < 10 mm	Joints > 10 mm
5 kg bag	approx 1.25 ltr	approx. 1.1 ltr
10 kg bag	approx. 2.5 ltr	approx. 2.21 ltr
20 kg bag	approx 5.0 ltr	approx 4.4 ltr

Slake time	approx. 3 minutes
------------	-------------------

Working time*	approx. 45 mins
---------------	-----------------

Wipe off time	30 – 60 mins (dependent on tile type)
---------------	---------------------------------------

Curing time*	
--------------	--

- walkable after	approx. 3 hours
- fully load-bearing after	approx. 3 days

Temperature resistance	-20°C to +80°C
------------------------	----------------

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

## APPLICATION

### Mixing

1. Fill gauging water (see "Technical Data/Application") in a clean mixing container. Add powder and stir until a plastic, lump-free grout is achieved. Mix partial quantities up to 1 kg intensively by hand. For larger quantities use a suitable paddle attached to an electric drill.
2. Re-mix after a slake time of approx. 3 minutes.

### Grouting

3. Use a rubber float. Fill joints flush with the tile surface, re-grout if necessary. Allow the grout to firm up in the joint (until it is resistant to thumb pressure) and scrape off excess grout with a slightly damp sponge or sponge board.
4. After drying remove the remaining grout film with a damp sponge. Do not use a dry cloth for cleaning as there is risk of discolouration by rubbing dried grout into the damp joint.

## PLEASE NOTE

- Do not apply under conditions of rain, draughts or extreme sunlight.
- Keep joints damp with freshly grouted coverings outdoors and non absorbent tiles.
- Before grouting protect connection and movement joints by inserting polystyrene profiles or foam sections. Remove polystyrene profiles prior to applying the elastic sealant.

- A grout film and/or pigment stains especially with very dark colours may remain on unglazed or matt glazed tiles and flags after grouting. Follow the tile manufacturer's recommendations. A trial grouting might be recommendable. Remove any remaining haze carefully while still fresh.

- Seal joints between tile surfaces, fitted elements and pipe penetrations as well as corner and connection joints with a suitable silicone sealant, e.g. PCI Silcoferm S.

- There is risk of discolouration with light colours if, due to unfavourable conditions on site, soluble, colouring elements (e.g. pieces of tiles, additives for screeds or plasters/renders) are transported into the joint by moisture. Recommendation: Use PCI Fastrack Grout or PCI Epoxy Grout.

- Use PCI Epoxy Grout for grouting if the grout is exposed to water that contains free, cement aggressive carbon acid.

- Only clean water and clean tools must be used for grouting and final cleaning.

- Grouting in commercially used areas and swimming pools exposed to increased mechanical and chemical stress should be carried out with Durafug NT or PCI Epoxy Grout.

- Never add water or fresh grout and/or powder to a grout mix which has already begun to set.

- Slight deviations in colour of PCI grouts are possible, it is therefore recommended to only use PCI grouts with the same batch number for the same project.



The Chemical Company

- For optimum hydration of the cement make sure to keep the surface moist by sprinkling with water (in particular with non-absorbent tiles and substrates).
- There is a possibility of deviations in colour of PCI grouts caused by a modified hydration behaviour when grouting non-absorbent tiles.
- Do not use a dry cloth for cleaning as there is risk of discolouration by rubbing dried grout into the damp joint.
- Exposure to acid-containing, cement-attacking cleaning agents can cause damage to the hardened grout.
- Where excessive freeze/thaw is anticipated the use of PCI Adhesive/Grout Admixture at a rate of 1:3 (admix:water) should be used in place of gauging water.
- Excessive use of water when washing the grout off, can result in a white bloom effect (especially with dark colours).

## SAFETY

PCI Wall and Floor Grout contains colourfast and alkali-resistant pigments and fillers 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 severe eye damage, therefore avoid contact with eyes and prolonged skin contact. In case of eye contact immediately rinse with plenty of water and consult a doctor. In case of skin contact take off contaminated, soaked clothing promptly and immediately wash with plenty of soap and water. Wear appropriate protective gloves. Keep out of children's reach.

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

### BASF Construction Chemicals (UK) Ltd

Albany House, Swinton Hall Road,  
Swinton, Manchester,  
M27 4DT, England.  
Tel: + 44 (0) 161 794 7411  
Fax: + 44 (0) 161 727 8547  
E-mail: [pci.uk@basf.com](mailto:pci.uk@basf.com)  
Website: [pci.uk.com](http://pci.uk.com)

In view of widely varying site conditions this data sheet is meant to provide general application guidelines only. Any recommendation or information issued by us constitutes a preliminary and accessory contractual obligation only. Users must satisfy themselves regarding the applicability of the content to their own particular requirements. Please contact our Advisory Service for special requirements. Liability is accepted for incomplete or incorrect particulars in our information material 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. Any subsequent publication supersedes this edition. Edition January 2007.

**PCI**<sup>®</sup>  
Für Bau-Profis