



The Chemical Company

Universal Joint Grout

PCI Wall and Floor Grout

For wall and floor joints 2 – 18 mm

PCI Wall and Floor Grout has been audited in accordance with EN 13888 and complies with the Euro Norm CG1

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, Jasmine and Chocolate Brown
- 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
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Components	1 part
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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
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Storage	cool and dry
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Application

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

Joint width	2 - 18 mm
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Working temperature	+5°C to +30°C
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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. 2.2 ltr
20 kg bag	approx 5.0 ltr	approx 4.4 ltr

Slake time	approx. 3 minutes
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Working time*	approx. 45 mins
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Wipe off time	30 – 60 mins (dependent on tile type & ambient temperature)
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Curing time*	
- walkable after	approx. 3 hours
- fully load-bearing after	approx. 3 days

Temperature resistance	-20°C to +80°C
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* 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 1.5 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 PCI 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.



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- 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.

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