



# G2

## ANTI BACTERIA GROUT

High performance, cementitious tile grout ,Anti-fungus and Highly water resistant

**GROUT** **ANTI BACTERIAL** **WATER RESISTANT** **ANTI CRACK**

Perfect is a high performance cement-based pre-mixed non-shrink grout, used for filling tile joints in wet and dry areas. Specific attributes: Anti-fungus, Highly water resistant, Anti-cracks (joints between 2 and 12 mm width), High abrasion resistance.

### PRODUCT

Easy to apply and can be cleaned easily. It only needs to be mixed with water. available in a wide range of attractive colors (please consult our color chart board).

### SCOPE OF USE

Suitable to fill joints from 2 to 12 mm width, between ceramic tiles, marble and natural stones, porcelain, terracotta, etc

- can be used for internal and external applications, including:
- Swimming-pools
- Balconies
- Terraces
- Wet areas
- Bathrooms, kitchens, stairs

### APPLICABLE STANDARDS

- ANSI A118.7 (polymer modified cement grouts)
- EN 13888:2009
- Classification according to EN 13888: CG2 WA

### CLEANING

Clean the tools with water after use. Cured materials can only be removed mechanically.

### PRECAUTION

#### Health and Safety

The product contains cement powders which, when mixed with water, release alkalis that could be harmful to the skin. It is preferable that the application be done in a ventilated area, and to wear protective gear for hands, eyes and respiratory system and to avoid breathing of the dust. Splashes on the skin should be washed away by cleaning thoroughly with soap and water. In case of contact with eyes, wash thoroughly with clean water and seek medical attention. If swallowed, do not induce vomiting and seek medical attention. The product is non-flammable.

### CHARACTERISTICS

Mixing water	2.3 to 2.5 L/ 10 kg bag
Fresh density @ 23 °C	1.8±0.15
Color	Color chart board
Pot Life	45 min.
Setting time (min) at 23 °C	45 min.
Service Temperature	1 °C to +60 °C
VOC& formaldehyde content	None (<10µg/l)

### STORAGE

can be stored for 2 years in its original packaging, stored away from extreme temperatures and in dry conditions.



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## APPLICATION INSTRUCTION

### PRECAUTIONS

Before grouting, make sure that the adhesive has completely dried; it will depend on site and weather conditions.

Some tiles with a matt or porous texture are prone to surface staining when coloured grouts are used. It is recommended to check that no stain will occur by testing on small surface before starting the whole job.

### SURFACE PREPARATION

The grooves between all external and internal ceramic surfaces to be grouted must be sound and thoroughly cleaned before the application of the product. All traces of oil or grease must be removed. All loose particles of mortar or tile adhesive in the groove must be physically removed. Joints should be emptied to at least 2/3 of the tile thickness. Before grouting make sure that tiles are set and that the adhesive had completely dried. joints width should be from 2 mm to 12 mm.

### PRODUCT PREPARATION

Mix 10 kg grout with 2.3 to 2.5 Lit. of clean cool water by adding the powder over the water gradually. The amount of mixing water must be respected to avoid efflorescence over the surface of the grout. An electric mixer with low rotation speed (< 300 rpm) should be used. Mix for about 3 to 5 minutes until a uniform lump free paste is obtained. Let the paste rest for a few minutes before starting the application.

### PRODUCT APPLICATION

Apply the grout with a rubber spatula into the joints diagonally by filling all the gaps, make sure that the product is well compacted with no voids. Use the product within a maximum of 45 min (depending on temperature) after mixing.

### CLEANING OF JOINT SURFACES

Allow the grout to dry (10 or 20 minutes depending on the weather condition) before starting the cleaning process, remove surplus with a damp sponge moving diagonally to prevent removal of grout within the joints. Rinse the sponge frequently using two water containers, one to remove the grouts residue and the other one to clean the sponge. Avoid excess of water while cleaning to prevent discoloration of joints. When dry, polish the tiles with a clean, dry cloth.

Do not spray water under high pressure

## TEST RESULTS

Test results as per EN 13888:2009	Results	Standard requirements for type CG class 2WA
Flexural Strength as Per EN 12808-3:2002 (N/mm <sup>2</sup> )	6 N/mm <sup>2</sup>	>3.5 N/mm <sup>2</sup>
Compressive Strength as per EN 12808-3:2002	>15 N/mm <sup>2</sup>	>15 N/mm <sup>2</sup>
Water Absorption after 30 min as per EN 12808-5	0.1 g	< 2 g
Water Absorption after 240 min as per EN 12808-5	0.25 g	< 5 g
Shrinkage as per DIN EN 12808-4 at 28 days standard conditions	1.38 mm/m	< 3 mm/m
Abrasion Resistance as per EN 12808-2:2002 (mm <sup>3</sup> )	≤1000mm <sup>3</sup>	≤1000mm <sup>3</sup>



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