

Technical Information

RENAFIX Tile Grout

Un-sanded Cementitious tile grout for floor and Walls

- Overview** An un-sanded cementitious polymer modified tile grout designed for the interior as well as exterior tile and stones joints.
- Key Features**
- ◆ Ready to use, Just add water.
 - ◆ Easy mixing, application and clean up
 - ◆ Creamy and Easy to spread
 - ◆ Weather Resistant
 - ◆ Free from cracks and shrinkage
 - ◆ Water and Shock resistant
 - ◆ Formulated with locally sourced materials
 - ◆ Contribute to LEED points
 - ◆ Ease of Maintenance
- Standards**
- ◆ RENAFIX Tile grout exceeds the performance requirements of ANSI A118.6;
 - ◆ Complies with EN 13888-3:2009 and ISO 13007-3: 2010 with Class “CG1” Characteristics.
- Areas of Application**
- ◆ For Interior and Exterior Tile Joints
 - ◆ Can be used for a variety of tiles and stones
 - ◆ Suitable for all types of ceramic tiles, variety of stones, glass mosaics, vitrified tiles, etc.
 - ◆ Recommended for domestic and commercial applications
 - ◆ For Joint width from 1.5 to 3 mm
- Installation**
- Precautionary Note for the installers**
- ◆ Inspect a small area if the user wants to apply over a sensitive natural stone to verify the absorption of colour over the stone after cleaning.
- Preparation**
- ◆ Ensure 24 hours’ time interval* for grouting after the tile fixing
 - ◆ The tile joints should be structurally sound, clean and free from dust and adhesive.
 - ◆ Clean the area and completely remove all the construction debris before the application.
 - ◆ Before grouting, make sure the applied adhesive has set and free from releasing the moisture.
- *Note: Follow Adhesive Manufacturer’s instructions before grouting.
- Mixing**
- ◆ Use clean, potable water for mixing
 - ◆ Add Renafix Tile grout to the clean water into the mixing pot.
 - ◆ Use approximately 300 ml of water for 1 kg of Powder.
 - ◆ Use a slow speed mixer for mixing or mix it by hand.
- Application**
- ◆ Dampen the tile surface with water. But, don’t leave standing water in the joints
 - ◆ Always, Use an appropriate tool for application.
 - ◆ Spread the tile grout over the joints and firmly pack the joints with the paste.
 - ◆ Hold the rubber grout float at an angle of 45° and completely fill the joints.
 - ◆ Work in small areas to have control on removing the excess material over the tiles.
- Cleaning**
- ◆ Use a damp, small pore grout sponge in a circular motion.
 - ◆ Smooth, level the joints, and remove the excess grouts over the tile surface.

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- ◆ Change the water in the bowl and rinse the sponge frequently.

Protection

- ◆ Protect the surface against rain for at least 24 hours.
- ◆ Keep the floor away from general foot traffic for at least 24 hours after application.

| Technical Data (typical values) | | |
|--|--|-------------------------------|
| General | | |
| Bulk density (kg/m ³) | 1500 | |
| Dry Solid Content | 100 | |
| Application | | |
| Mixing ratio | 100 Parts of Renafix tile grout with 40 parts of water (by weight) | |
| Density of the mix (kg/m ³) | 1400 | |
| Joint Width | Up to 3 mm | |
| Pot life | 60 minutes | |
| Application Temperature | 10 to 40 °C | |
| Time to light foot traffic | 24 hours | |
| Time to heavy foot traffic | 72 hours | |
| Performance (Renafix Tile Grout mixed with water) | | |
| Parameters | Requirement | Typical Values |
| Linear Shrinkage after 27 days: ANSI A118.6: Clause 4.3 | Max 0.30% | 0.20% - 0.24% |
| Water Absorption after 27 days: ANSI A118.6: Clause 4.4 | Max 18% | 14% - 16% |
| Compressive Strength after 1 day: ANSI A118.6: Clause 4.5 | Min 500 psi (3.43 Mpa) | 600 to 800 psi |
| Compressive Strength after 28 days: ANSI A118.6: Clause 4.5 | Min 3000 psi (20.62 Mpa) | 3100 psi |
| Tensile Strength after 28 days: ANSI A118.6: Clause 4.6 | Min 250 psi (1.71 Mpa) | 270 to 300 psi |
| Flexural Strength after 28 days: ANSI A118.6: Clause 4.7 | Min 500 psi (3.43 Mpa) | 560 to 600 psi |
| ANSI A118.6 Requirements | Renafix Tile grout confirms to ANSI A118.6 | |
| Abrasion resistance: ISO 13007 – 4: Clause 4.4; EN 12808 - 2 | ≤ 2000 mm ³ | 1350 – 1700 mm ³ |
| Flexural strength under standard conditions: ISO 13007 – 4: Clause 4.1.3; EN 12808 - 3 | ≥ 2.5 N / mm ² | 3.5 – 3.9 N / mm ² |
| Flexural strength under freeze and thaw cycles: ISO 13007 – 4: Clause 4.1.5; EN 12808 - 3 | ≥ 2.5 N / mm ² | 3.5 – 3.9 N / mm ² |
| Compressive Strength under standard conditions: ISO 13007 – 4: Clause 4.1.4; EN 12808 – 4 | ≥ 15 N / mm ² | 21 – 22 N / mm ² |
| Compressive Strength under freeze & thaw cycles: ISO 13007 – 4: Clause 4.1.5; EN 12808 – 4 | ≥ 15 N / mm ² | 20 – 22 N / mm ² |
| Shrinkage: ISO 13007 – 4: Clause 4.3 : EN 12808 – 4 | < 3mm / m | 1.9 – 2.3 mm / m |
| Water Absorption after 30 Minutes: ISO 13007 – 4: Clause 4.2; EN 12808 – 5 | ≤5.0 g | 2.5 – 3.0 g |
| Water Absorption after 240 Minutes: ISO 13007 – 4: Clause 4.2; EN 12808 – 5 | ≤10 g | 4.0 – 8.0 g |
| EN 13888-3: 2009/ISO 13007-3: 2010 Classification | The grout confirms to ISO 13007-3 (CG1) / EN 13888-3. | |

Coverage

Please refer the coverage chart given in the packing material as it depends on the tile size, joint width and depth.
For actual values, contact our marketing team.

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Packaging & Shelf Life Renacon Tile grout is available as 1 kg packs and 10 kg cartons.
Colour: Available in 30 colours
Has a shelf life of 18 months from the date of Manufacturing when stored in a dry, elevated area in the original unopened packaging

Warning! Keep out of reach of Children.
Product for Professional Use
Wear Suitable protective clothing, gloves while handling
For Clarifications and Usage related queries, Contact our Technical Services

Additional Information

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Renacon



The data presented in this medium are in accordance with the present state of our knowledge but do not absolve the user from carefully checking all supplies immediately on receipt. We reserve the right to alter product constants within the scope of technical progress or new developments. All the above information must in every case be taken as merely indicative and subject to confirmation after long time application. In every case, the user alone is fully responsible for any consequences deriving from the use of the product.

The applicable version of the Technical Data Sheet for this product can be downloaded from our websites. Previous versions of the Technical Data Sheets are rendered void with the issue of a new one. Date of issue: 16.06.2022/O