



3020

Silicone Flex Tile Grout (1 - 6 mm)



Product Code : 3020
Quality Certificates

The product conforms to the EN 13888 standard CG2WA class.

Description: A high performance, **Silicone added**, single component, cement-based, easily applied, flexible tile grout. Generates a smooth surface and is used for joint widths from 1 to 6 mm.

Application Areas: Indoor and outdoor, places such as pools, water tanks, sauna and baths, floor heating systems, grouting of coverings such as granite ceramic, bigger sized ceramics, tiles, natural granite, marble, clinker and glass mosaic up to 1- 6 mm.

Advantages:

- Does not cause color fading, dusting and cracking.
- Provides a smooth surface.
- Not affected by sudden temperature changes.
- Resistant to water and frost.
- Can be used in floor heating systems.
- Bonds well on the sides of the ceramics without cracking.
- Provides a wide variety of colors and is decorative.
- Resistant to abrasion.
- The silicone additive is waterproof.
- It is resistant to mold and fungus formation.

Preparation of the Surface: Attention must be paid that the ceramics are bonded very well so that they do not move during the application and that the adhesive dries completely. On surfaces where the covering work is completed, all kinds of dust, dirt, sawdust, construction and cement residuals that remain inside the joints must be cleaned with a thin stick or a brush. Cleaned joints must be dampened with a wet sponge.

Preparation of the Mortar: 20 kg of Falcon Silicone Flex Tile Grout (1- 6 mm) is added to approximately 6 - 7 liters of clean water and blended by a mixer with low speed or with a trowel to ensure there are no lumps. Do not exceed the required amount of water, excessive water will lead to cracking, wearing, and dusting. Prepared tile grout should be left to mature for 5-10 minutes, then be mixed again before use. The mortar must be used within 1 hour.

Application Information: Tile grout must be filled into the joints with a rubber squeegee or with a grout spreading trowel with hard rubber bottom. In order to ensure that the joints are completely filled, the grout must be filled into the joints first parallel then in diagonal lines. Depending on the ambient temperature, in 15 - 30 minutes following the application, excess mortar on the surface must be rubbed off with a spatula with a damp soft end and by wiping it off with a damp sponge, any thin layer of grout remaining on the surface must be cleaned completely. It dries in 12 hours on walls and in 24 hours on floors. Floors can be opened to pedestrian traffic in 7 days.

Consumption: Refer to the tile grout consumption chart.(Page 89)

Caution: Avoid application in temperatures below +5°C and above +35°C. Avoid application on frozen areas, on areas under risk of freezing in 24 hours or on areas open to direct sunlight or wind. Never attempt to extend expired mortar by adding powder or water. Do not clean the tile grouts with hydrochloric acids, bleaching agents, etc. Use tile grout cleaner for cleaning. When using on floor heating systems, the surface should not be hot during the application and the heating system should be turned off 24 hours in advance. The values mentioned above are obtained at 23±2°C and 50±5 relative humidity conditions.

Packaging: 20 kg craft bags

Shelf Life: Unopened packages can be stored in dry environments for upto 12 months, stacked maximum 10 packages on a pallet.

Health and Safety: As with all chemical products, contact with food, skin, eyes and mouth should be avoided during usage and storing. If swallowed by accident, consult a doctor. In case of contact with skin, rinse with plenty of water. Keep out of reach of children.



Technical Properties

Appearance	: White or colored fine powder
Powder Density	: ~1.10 kg/l
Water Mixing Rate	: 6 - 7 lt water / 20 kg powder
Resting Period	: 5 - 10 minutes
Pot Life	: Appr. 1 hour
Application Temperature	: Between +5°C and +35°C
Service Time	: After 12 hours on the wall, after 24 hours on the floor
Flexibility	: Good
Flexural Strength	: ≥ 2.5 N/mm ² (EN 12808-3)
Compressive Strength	: ≥ 15 N/mm ² (EN 12808-3)
Abrasion Resistance	: ≤ 1000 mm ³ (EN 12808-2)
Shrinkage	: ≤ 3 mm/m (EN 12808-4)
Water Absorption	: In 30 minutes ≤ 2 g ; In 240 minutes ≤ 5 g (EN 12808-5)
Service Temperature	: -30°C / +80°C

Application instructions and technical data provided for the products are obtained in line with our experience and the tests we implemented according to international standards under ambient temperatures of 23 ± 2 °C and ambient relative humidity conditions of 50%±5. Higher temperatures decrease the times and lower temperatures increase them.