



1090

Flex Granite Ceramic Adhesive Mortar



Product Code : 1090

Quality Certificates

The product conforms to the EN 12004-1 standard C2TE class

Description: A high performance and high stability, cement-based, single component, **flexible** adhesive mortar which contains polymer additives.

Application Areas: Indoor and outdoor, horizontal and vertical surfaces, bonding bigger sized floor and wall ceramics, granite, granite ceramic, marble, clinker and all kinds of natural stone coverings, places that are exposed to heavy pedestrian traffic, such as work places, shopping centers, schools and hospitals, floor heating systems, bonding ceramics on top of old granite and marble surfaces.

Advantages:

- Provides flexible and strong bonding.
- Resistant to water and frost and is not affected by temperature changes.
- Provides high stability and does not cause sagging in vertical applications.
- Allows tiling downwards.

Preparation of the Surface: Special attention must be given that the application surface is cured. The application surface must be clear of materials which prevent bonding, such as dust, oil, curing agents, detergents. The application surface must be wet and kept damp. If the water absorbency of the surface is high, the application must be implemented after the primer.

Preparation of the Mortar: 25 kg of Falcon Flex Granite Ceramic Adhesive Mortar must be added to approximately 5.5 – 6.5 liters of clean water and mixed by a mixer with low speed or with a trowel until there are no lumps. Prepared mortar should be left to mature for 5-10 minutes, then be mixed again before use. The mortar must be used within 2.5 - 3 hours.

Application Information: A contact layer is generated by pressing the adhesive mortar strongly onto the application surface and this layer later is combed with a notched trowel appropriate to the dimension of the ceramic. The adhesive mortar must contact at least 80% of the backside of the ceramic. Depending on the plates used and the flatness of the surface, adhesive mortar can be applied both on the backside of the ceramic and on the surface for a double sided bonding. Combing directions must be perpendicular to each other. For better bonding, apply force with a rubber hammer.

Consumption: 4 - 6 kg/m²

Caution: Avoid application in temperatures below +5°C and over +35°C. Pay attention to the amount of water added to the mortar. Do not add more water than necessary. 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 the expired mortar by adding powder and water. The values mentioned above are obtained at 23±2°C and 50±5 relative humidity conditions.

Packaging: 25 kg craft bags

Shelf Life: Unopened packages can be stored in dry environments for up to 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	: Grey colored fine powder
Powder Density	: ~1.35 kg/lt
Water Mixing Rate	: 6 – 7 lt water / 25 kg powder
Resting Period	: 5 - 10 minutes
Pot Life	: Appr. 2.5-3 hours
Open Time Tensile Adhesion Strength	: After min. 20 minutes ≥ 0.5 N/mm ² (EN 1346)
Application Temperature	: Between +5°C and +35°C
Tensile Adhesion Strength	: ≥ 1.0 N/mm ² 28 days (EN 1348)
Slip	: ≤ 0.5 mm (EN 1308)
Walk-on Time	: 24 hours
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.