

# Rocky Fix 1000

## Description

Rocky Fix 1000 is a polymer modified cementitious tile adhesive. It is supplied as grey or white colored powder. It is water resistant and does not contain fiber, asbestos & other harmful components, with Microfiber technology.

## Advantages

- Enhanced bond and tensile strengths
- Water resistant
- Non-sagging
- Eco-friendly
- Good open time and slip resistance
- Formulated to suit Middle East conditions

## Use

Rocky Fix 1000 is used for fixing of ceramic tiles in interior and exterior applications especially to those exposed to permanently wet condition.

It is suitable for use for the following:

- Institutional Kitchen
- Bathrooms
- Shower rooms
- Swimming pools
- Laboratories
- Hospitals
- Ceramic, porcelain tiles, vitrified tiles, granite and Marble floors & walls.

# Rocky Fix 1000

## Technical Properties

Appearance	Powder
Color	Grey or White
Dry Density	1.55 kg/L
Wet Density	1.70 kg/L
VOC	<1.00g/L
Water resistance	Very Good
Slip resistance	Very Good
Flexibility	Very Good
Open Time	30 minutes
Workable Time	45 minutes
Wall Grouting	After 10 hours
Floor Grouting	After 24 hours
Shear Strength (ANSI 118.4 – 1999)	1.60 N/mm <sup>2</sup>
Initial adhesion at 28 days	1.5 N/mm <sup>2</sup>
Adhesion after heat	1.4 N/mm <sup>2</sup>
Adhesion after water immersion	1.1 N/mm <sup>2</sup>
Adhesion after Freeze-thaw cycle	1.0 N/mm <sup>2</sup>

All values are subject to 5-10 % tolerance

## Compliance Standards

- EN 12004-C1TE
- EN 12004-C2TE (if mixed with Rocky Lastic)
- ISO 13007 – C1TE
- ISO 13007-C2TE (if mixed with Rocky Lastic)
- ANSI A 118.4 – 1992, EN 1346, EN 1348

## Instructions for Use

### Surface Preparation

All surfaces should be sound, clean & uncontaminated. This preparation should leave an exposed concrete surface free from dust, loose particles, deleterious matter, oil, grease, chemical films & other contaminant. All loose particles of mortar, paint, etc. must be physically removed.

Concrete or blockwork: should be allowed to cure sufficiently so that all shrinkage movements take place before fixing tiles.

Gypsum supports must be treated with ROCKY PRIME 100 .Should not have a percentage of humidity more than 10%.

The surface of substrates must be moistened slightly with clean water to reduce the absorption of water from the mortar. Do not moistened the tiles.

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## Mixing

Place 4.0 – 4.25 liters of cold, potable water in the mixing bucket and add slowly 20 kg bag of Rocky Fix 1000 under continuous mixing till a uniform lump free consistency mix is achieved. For mixing process, a slow speed drill (200- 300rpm) fitted with a suitable paddle is recommended.

Keep the obtained mix for 5 minutes and then remix before application.

## Application

Spread Rocky Fix 1000 on the substrate to a uniform thickness using a toothed spatula, the first pass with its straight edge and the second pass immediately after to the desired thickness using the toothed part. Place the tiles onto the adhesive bed. Apply sufficient pressure on the tile during fixing it with slight twisting movement in order to ensure good contact with the adhesive. In case of large size tiles, it is necessary to spread the adhesive also to the backside of the tile and then place the tile into the adhesive bed. Apply enough material that can be tiled during the adhesive's open wet time. Spreading large areas may result in drying the adhesive before tiles can be fixed causing poor adhesion.

## Finishing

Remove excess adhesive with damp cloth before the material has set.

Joint grouting between tiles may be commenced 10 hours after tiles has been laid on the walls and 24 hours after tiles are laid on the floors.

## Cleaning

Tools and equipment should be cleaned with water immediately after use. Hardened materials should be mechanically removed.

## Recommendations

- To achieve improve adhesion strength, it is recommended to replace water with Rocky Lastic
- Stiffened mortar must neither be diluted with water nor with fresh mortar
- Do not use Rocky Fix 1000 on metal, wood or non-absorbing surfaces
- Do not apply Rocky Fix 1000 in rainy weather, high winds and sandstorms
- Do not apply under direct sun
- Keep equipment cool and use cold water
- Porosity of tiles and substrates has significant effect on adhesive strength of tiles

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## Coverage

Approx. 4.0 to 4.5 Kg Rocky Fix 1000 per m<sup>2</sup> using notched trowel on smooth surface.

Consumption will vary according to type of tiles and support condition.

## Packaging

Rocky Fix 1000 is packed in 20 Kg bags.

## Shelf Life & Storage

Store in dry covered place in the original closed bags , shelf life is 12 months if stored as recommended.

## Health & Safety

Handle the product with caution. Use gloves and goggles to avoid contact with eyes and skin. In case of contact with eyes, wash abundantly with warm water and consult a doctor immediately.

## Important Note

The information in this Technical Data Sheet is based on Rocky-SCM Canada's experience. Rocky-SCM does not accept any liability arising from the use of its products as it has no direct or continuous control over where or how its products are applied. All Rocky-SCM Data Sheets are updates on regular basis. It is the user's responsibility to obtain the latest version.