



# GROUT MULTIFILL 2

## 1. Product Description

Grout MultiFill 2 is a ready-to-use, cement-based repair mortar formulated with graded silica sand, cement, polymer additives, and chopped fibers. It is designed to allow higher build applications (up to 4 cm in a single lift) while providing improved bond strength and reduced cracking.

## 2. Applications

- Thickness repairs up to 4 cm in one layer
- Structural patching of deteriorated concrete
- Filling voids and surface defects in reinforced and plain concrete
- Repairs requiring enhanced bond and reduced shrinkage cracking

## 3. Advantages

- Ready-to-use powder – just add water
- Single lift application up to 4 cm
- Reinforced with chopped fibers for higher toughness
- Polymer modification for excellent adhesion
- Low shrinkage, minimizing crack formation
- Suitable for structural and non-structural repairs

## 4. Technical Data

- **Maximum repair depth per layer:** 4 cm
- **Aggregate size:** up to 0.6 mm
- **Appearance:** Grey powder
- **Mixing water:** 18–20% by weight
- **Workability time at 25°C:** ~30 -40 minutes
- **Compressive strength (28 days):**  $\geq 60\text{MPa}$
- **Flexural strength (28 days):**  $\geq 7\text{MPa}$
- **Density of mixed mortar:**  $\sim 2100\text{ kg/m}^3$

## 5. Surface Preparation

- Substrate must be structurally sound, clean, and free from dust, oil, or loose material.
- Pre-wet the surface with clean water.
- Ensure the substrate is in **SSD condition** before application like following:

1. Spray or brush the surface with clean water.
2. Allow time for the water to soak into the pores.
3. Just before applying the mortar, wipe away or blow off any **visible free water** so the surface is damp but not shiny or dripping.

## 6. Mixing

- Place the measured quantity of clean water into a suitable mixing container.
- Add Grout MultiFill 2 slowly while mixing with a low-speed drill (400–600 rpm).
- Mix for 3–4 minutes until a homogeneous, lump-free mortar is obtained.

## 7. Application

- Apply manually using a trowel.
- Compact the mortar firmly into the repair area to ensure good bond.
- Finish the surface as required.
- For deeper repairs, apply in successive layers, allowing each layer to set before the next.

## 8. Packaging

- 25 kg bag .

## 9. Storage & Shelf Life

- Store in a cool, dry place away from direct sunlight and humidity.
- Shelf life: 12 months in original unopened packaging.

## 10. Health & Safety

- Contains cement, which may cause skin and eye irritation.
- Use protective gloves, goggles, and clothing during application.
- In case of contact, rinse immediately with plenty of water.

