

Geo[®] Storm Water Plug Mix - FR

Product Name: Storm Water Plug Mix FR

Type: Cementitious/ Ether/ Plasticizing and accelerator – Based mortar, High early strength and Fast setting mortar with fibre

Form: Grey powder (to be mixed with water)

Description

Storm water plug mix is a **grey or cream-textured, cementitious-based Fibre reinforced mortar** specially formulated for both **interior and exterior surfaces**. It provides a fast-setting solution for repairing cracks, holes, and imperfections in masonry, stone, concrete, stucco, and cement renderings. It is easy to apply, offers excellent adhesion, and is ideal for substrates that require repainting or recoating after repair.

Key Benefits

- High early strength with high energy absorption
- Fast setting
- Excellent adhesion and bonding to substrates
- For both vertical and horizontal applications
- Non-shrinkage – Workable at low water/ cement ratios = 0.4
- Paintable after proper curing
- Suitable for both internal and external use

Technical Properties

Property	Typical Value
Appearance	Grey or Cream powder
Mass solids	100%
SG	2.45 (Typical)
Working Time	Approx. 30 minutes
Hole Width Suitability	5 mm – 150 mm
Adhesion Strength	>1.0 MPa on concrete
Water Resistance	Excellent after curing
Paintable	Yes (after full curing ± 24 hours)

Application and Uses

- Crack/ hole repairs on masonry, concrete, stucco, and cement rendering
- Suitable for patching corners, brickwork, and damaged surfaces
- Filling small holes, surface imperfections, and primed cracks
- Compatible with plaster primer and paint finish systems (after curing)



Technical Data Sheet

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Initial Issue – 16/05/2014
Revised Issue – 23/06/2025

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Surface Preparation

- Ensure surfaces are dry, sound, clean, and free from dust and loose particles
- For best adhesion, slightly moisten the crack or treat with GEO DENSIFIER

Mixing and Application

- Mix powder with clean water (if applicable) until a smooth paste is formed
- Mixing ratio: 1 part of water to 4 - 5 parts of powder. Adjust if more workability is needed
- Fill cracks using a putty knife or trowel, pressing firmly into the void
- Smooth the surface and allow to dry completely

Coverage

- Approximately, 0.8 – 1.25 m² per kg @ 1mm (1kg = 0.42 lit)
- Will differ as more thickness application is needed.

Packaging

- Available in 1 kg, 3 kg, 5 kg, Polypropylene tubs, ready for mixing

Storage and Shelf Life

- Store in a cool, dry place between 5°C and 30°C
- Protect from moisture and direct sunlight
- Shelf life: 6 months in original sealed packaging

Precautions

- Wear gloves and eye protection during mixing and application
- Avoid inhalation of dust when handling powder form
- In case of contact, rinse thoroughly with clean water

Disclaimer

The technical information in this TDS is based on current knowledge and practical experience. Users must confirm the suitability of the product through field trials. Geotech Nano Chemicals accepts no liability for improper use or deviation from application guidelines.



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