

MU-800 FixGrout



MU-800 FixGrout is a cementitious precision grout used for non-shrink gap filling application and structural concrete restoration. Designed to have high compressive strength, good flowability and provide extended working time for application.

Technical Data Sheet

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TECHNICAL DATA

Product Format	Powder
Color	Gray
Binder	Portland Cement
Aggregate	Selected sand with maximum grain size of 1.2 mm
Water addition	17 – 18 % of powder weight (4.25 – 4.5 liter per 25 kg bag)
Fresh density	1,900 kg/m ³
Pot Life @35°C	30 minutes
Application Thickness	10 – 100 mm
Compressive Strength	1 Days : 13 N/mm ² 3 Days : 17 N/mm ² 7 Days : 42 N/mm ² 28 Days : 65 N/mm ²
Flexural strength (MPa)	>7 N/mm ² @28 days (ASTM C 348)
Expansion	> 0.2% (ASTM C940)
Setting time	3 – 7 hours
Flow Condition (Flow Cone Test)	220 – 260 mm (ASTM C230)

Kemasan

Paper bag 25 Kg

Handling and Storage

Keep inside the closed and dry room. Avoid an excessive stacking, maximum 8 stacks per pallet (maximum 2 stacks of pallet).

Shelf life

10 months if stored in a sealed bag inside the dry closed room.

Substrate of Application

- Gap in machine foundation.
- Gap in the steel and concrete column.
- Gap in the pipe hole.
- Gap in the joint of pre-cast concrete.
- Used for the restoration of structural concrete element.

Product advantages

- Extended working time to facilitates application on large area without any joints
- Easy to mix and use without special equipment needed
- Non-shrink material characteristic to ensure good bonding and contact with the surface
- High compressive strength to accommodate specified load
- Chloride free materials will not contaminate the reinforcement bar in structure elements

APPLICATION METHOD

1. Substrate preparation

- Substrates should be clean from dust, oil, grease, or other loose debris to ensure optimum adhesiveness.
- The dry substrate must be dampened prior to the application of **MU-800 FixGrout**

2. Mixing and blending process

- Pour 75% of recommended water weight into the container.
- Pour 25 kg (1 bag) MU-800 FixGrout gradually into the container
- Mix with slow speed electric mixer
- Add the remaining 25% of water weight into the mixture
- Continue mixing with slow speed electric mixer for 3 minutes until the mixture reach uniform consistency

3. Application process

- Stir lightly with spatula to release entrapped air in the mixture
- Pour immediately into prepared substrate or formwork
- Ensure the pressure head to maintain the mortar flow
- Gently knock the formwork to ensure there is no entrapped air

Constraints / Pay attention

- Recommended application thickness 10 – 100 mm
- If the application thickness reaches more than 100 mm, an aggregate should be added to a maximum 20% of the powder weight.

SAINT-GOBAIN INDONESIA

Sequis Tower Level 15, Jl. Jend. Sudirman Kav. 71, RT.5/RW.3,

Senayan, Kebayoran Baru, Jakarta Selatan 12190

Office: 021-27099600

Email: CS.Indonesia@saint-gobain.com

Website: mortartutama.com | LinkedIn: Saint-Gobain Indonesia

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