

# MU-800 FixGrout



**MU-800 FixGrout is the premixed mortar used for anti-shrinkage gap filling application and structural concrete reparation, made of cementitious material, filler, sorted sand and additive. Designed to have high compressive strength, good flowability, and do not shrink.**

## Technical Data Sheet

Issued on: 2022 November 15

### TECHNICAL DATA

Product Format	Powder
Color	Gray
Binder	Portland Cement
Aggregate	Sorted sand with maximum grain size of 1.2 mm
Filler	To increase the density and reduce the porosity of the mixing material
Binder	Portland Cement
Additive	Solvable additional material to increase the workability and adhesiveness
Water addition	<ul style="list-style-type: none"><li>Flowable Method : 18 – 19 % (3,4 – 3,6 liter)</li><li>Trowelable Method : 13– 14 % (2,4 – 2,8 liter)</li></ul>
Consumption	10,8 liter/ sack (20 Kg)
Fresh density	± 2,15 Kg/liter
Pot Life @35°C	60 minutes
Compressive Strength	65 N/mm <sup>2</sup> @28 hari (ASTM C 109)
Flexural Strength	7 N/mm <sup>2</sup> @28 days (ASTM C 348)
Expansion	Min. 0.2% (ASTM C 940)
Setting time	<ul style="list-style-type: none"><li>Flowable Method : 4 – 8 jam</li><li>Trowelable Method : 3 – 7 jam</li></ul>
Flow Condition	70 – 80 detik (EN 445)

### Kemasan

20 Kg paper bag.

### 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

9 months if it is 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 reparation of structural concrete column or beam using casting or trowel method

### Product advantages

- The mixture can flow well (flowable method) during concrete casting application so that it can fill and solidify the gap even in the narrow area.
- The mixture can be plastic (trowable method) or not flowing, therefore it is easy to be applied by using trowel.
- Non-shrinkable
- High compressive strength and adhesiveness

### APPLICATION METHOD

#### 1. Substrate preparation

- Substrates should be clean from dust, oil or other debris
- Substrate should be dampen first with water
- For casting application, prepare the formworks, they have to be tight and strong without any gaps surrounding them
- Formworks material should not be water-permeable and it is recommended to damp the formwork's wall first.

#### 2. Mixing and blending process

- Pour the water into a container with  $\frac{3}{4}$  of the recommended volume
- And then pour in the MU-800 FixGrout powder into the container filled with water
- Mix using low speed hand mixer
- Add the remaining  $\frac{1}{4}$  of the water recommended volume into the mixture and continue the mixing until even.

### 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

**ISO 9001:2015 Certified**  
**ISO 14001:2015 Certified**  
**ISO 45001:2018 Certified**



### 3. Application process

- For casting application, pour the mixture into the gap or formwork continuously without any interlude, from only one side to avoid air being trapped in the formwork
- Knock gently or use thin steel rod to push into the filled formwork to enhance the mixture's flow especially into the narrow gaps
- For casting application or flowable method, minimum thickness is 10 mm, if the application thickness is above 100 mm, aggregate must be added 20-30% of the weight of MU-800 FixGrout
- For concrete-reparation application using trowel, clean and remove the fragile part, the corroded reinforcement bar also must be cleaned. Substrate should be damped and then apply the mixture evenly to cover the repaired area.
- After the application, the substrate surface should be protected against direct sunlight, can be covered using plastic-based material or damp sack.

#### 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](mailto:CS.Indonesia@saint-gobain.com)

Website: [mortarutama.com](http://mortarutama.com) | LinkedIn: Saint-Gobain Indonesia

**ISO 9001:2015 Certified**  
**ISO 14001:2015 Certified**  
**ISO 45001:2018 Certified**