

# MU-830 PatchCrete



**MU-830 PatchCrete is an premixed mortar used for concrete surface restoration, plaster crack reparation and joint between bricks and concretes. Made of cementitious material, sorted sand, homogenously mixed filler and additive.**

## Technical Data Sheet

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### TECHNICAL DATA

Product Format	Powder
Color	Gray
Binder	Portland cement
Aggregate	Sorted sand with maximum grain size of 1,0 mm
Filler	To increase the density and reduce the porosity of the mixing material
Additive	Additional solvent to increase the workability and adhesion
Water addition	10,0 – 10,5 liter/bag (40 Kg)
Consumption	± 10 m <sup>2</sup> /bag 40 kg/ 2mm
Fresh density	1,75 Kg/liter
Pot Life @35°C	60 minutes
Application Thickness	2,0 – 8,0 mm
Compressive Strength	10 - 15 N/mm <sup>2</sup> @28 hari (ASTM C 109)
Adhesion strength	0,7 - 1,0 N/mm <sup>2</sup> @28 days (EN 1015-10)

### Kemasan

Paper bag 40 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 it is stored in a sealed bag inside the dry closed room.

### Substrate of Application

- Damaged/uneven concrete surface. Such as concrete column, beam, and wall, core or shear-wall.
- Joint between aerated concrete wall and column

### Product advantages

- Low shrinkage aptitude
- High adhesiveness
- Quick and easy application

### APPLICATION METHOD

#### 1. Substrate preparation

- Substrates should be clean from dust, oil, grease or other loose debris to ensure optimum adhesiveness
- If the substrate surface is dry, it should be damped with water evenly

#### 2. Mixing and blending process

- Pour 10-10,5 liter of clean water into a container
- And then pour in the MU-830 PatchCrete dry mixture (40 kg)
- Mix until it reaches an even mixture

#### 3. Application process

- Apply the MU-830 PatchCrete mixture on the concrete surface that requires a reparation by spreading according to the desired thickness using ridged trowel.
- The application should be done with sufficient pressure to achieve good adhesiveness/bonding.
- When it is half-dry, smoothen and scrub the surface using a suitable trowel.

### Constraints / Pay attention

For application thickness more than 40 mm, wire-mesh must be utilized. Wire-mesh are applied on 10 mm below surface finish.

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