

Diamond Patching Compound T82

Thixotropic, shrinkage compensated fast setting repair mortar

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Product name

Diamond Patching Compound T82

Manufacturer

Produced in Philippines by
Diamond Dry Mortars Inc.



Product description / General Purpose

Diamond Patching Compound T82 is a shrinkage compensated, fast setting repair mortar meant to do fast repairs on concrete structures. Ideal product to fill gaps between pre-cast panels. Diamond Patching Compound T82 is thixotropic for easier repairs on vertical surfaces.

Fire resistance

The product is non-combustible.

Product Safety

Please refer to Diamond Material Safety Data Sheet.

The product is a cement-based product and may cause skin irritation. Avoid contact with skin by wearing suitable clothing and gloves. In the event of contact with skin, wash with clean water to minimize possible irritation. If any material gets into the eyes, wash immediately and repeatedly with eyewash or clean water.

If the irritation persists, seek medical treatment.

Physical Properties

Colour	Grey
Dry bulk density EN 1015-6	1,700 to 1,900 kg/m ³
Thickness	Max 20 mm per layer
Mixing ratio	Mix with approx. 22% water. 5.5 liter per 25 kg bag.
Coverage	Approx. 1.5 kg/m ² /mm thick (7.5 kg/m ² if 5 mm thick)
Adhesion Strength* EN 1015-12	>0.5 N/mm ²
Compressive strength EN 1015-11	>15 N/mm ²
Flexural Strength EN 1015-11	>5.0 N/mm ²
Pot life	30 minutes
Shelf life	12 month if product is stored in dry conditions
Packing	25 or 40 kg per bag

*Bonding to the substrate depends very much on the substrate and might vary from the specified value. It is recommended to perform tests on site to verify the actual bonding with the substrate



Mixing and application

1. Packing and storage

The material is packed in 25 or 40 kg paper bags and have to be stored in dry conditions.

2. Surface preparation

Ensure the substrate is sound, clean and free from any dust, loose particles and contamination like oil, grease including form-oil compounds. Uneven surfaces should be grinded down or patched.

3. Mixing

- Mix the powder with 22-24% clean water (approx. 5.5-6 liter per 25 kg bag). Diamond Patching Compound T82 is a premixed ready to use product only addition of water is needed for the mixing.

Note: Do not mix with sand

-Thoroughly mix until a homogenous mix, keep for 2 minutes and mix again before use.

- Mixing equipment: Electric stirrer.

4. Application

-Apply onto substrate by manual or mechanical means in two layers or more. Level out the material using a trowel. Recommended thickness up to 20 mm per layer.