

Diamond Grip A10

Cementitious Tile Adhesive

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Product name

Diamond Grip A10

Manufacturer

Produced in Philippines for
Diamond Dry Mortars Inc.



Product description / General Purpose

Diamond Grip A10 is a premium polymer modified cementitious tile adhesive intended for thin and thick bed application. Diamond Grip A10 is recommended for mosaics, small and medium sized ceramic tiles and natural stone to be installed internally and externally on non-flexible substrate such as cement screed and concrete for floors and walls. Diamond Grip A10 is non-slip modified. For increased flexibility diamond Grip A10 can be mixed with liquid latex instead of water.

International Standard

Diamond Grip A10 conforms to ISO 13007-1 as a C1T, slip-resistant cementitious tile adhesive:
C1=Normal adhesive strength
T =Slip resistant (non slip)

Physical Properties

ISO 13007-1 Class	C1T
Colour	Grey or White
Dry bulk density EN 1015-6	1,500 to 1,600 kg/m ³
Thickness	3-6 mm
Coverage	Approx. 1.5 kg/m ² /mm thickness (approx. 5-6 m ² per bag in 3 mm thickness)
Mixing ratio	20-22% water to powder. (5.0-5.5 litre water per bag)
Adhesion Strength* ISO 13007-2	>0.5 N/mm ²
Slip-resistance ISO 13007-2	<0.5 mm
Open time ISO 13007-2	>20 mins
Pot life	3 hours
Shelf life	12 month if product is stored in dry conditions
Packing	25 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



1. Packing and storage

The material is packed in 25 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. If a screed or render is applied before the tile installation, make sure it is properly hardened before the installation of tiles (typically 7 days).

3. Mixing

- Mix the powder with 20-22% clean water (5.0-5.5 liter per 25 kg bag). Diamond Grip A10 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 5 minutes and mix again before use.

- Mixing equipment: Electric stirrer.

4. Application

Wet the surface and remove the excess water before applying the Diamond A10. Make sure the area is shaded from sunlight. Apply the Diamond A10 to the substrate with the flat side of the trowel. Press a thin layer of mortar on the substrate to ensure a good bonding. An additional layer is applied with the notched side of the trowel.

- For small tiles up to 300x300 mm a 6x6 mm notch trowel is recommended. Apply to a total thickness of approx. 3 mm.
- For medium size tiles with one side up to 450 mm it is recommended to back butter the tiles to a thickness of 1-1.5 mm to a total thickness of 4-5 mm.
- Make sure the tiles are clean from dust, no pre-wetting is needed.
- Grouting can be done after 8 hours for walls and after 24 hours for floors.

Very important: ensure both the back of the tiles (when back buttering) and the substrate is 100% covered with Diamond Grip A10 to secure perfect bonding between tile and substrate

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 persist, seek medical treatment.

Fire resistance

The product is non-combustible.