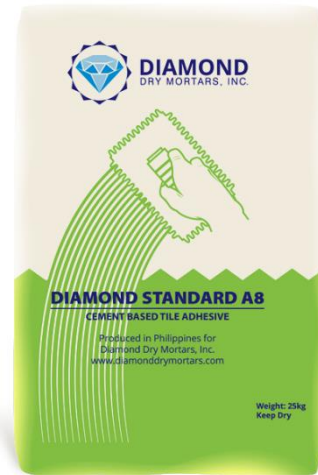


Product name

Diamond Standard A8

Manufacturer

Produced in Philippines by
Diamond Dry Mortars Inc.



Product description / General Purpose

Diamond Grip A8 is a quality tile adhesive intended for thin and thick bed application. Diamond Standard A8 is recommended for small and medium sized ceramic tiles to be installed internally on non-flexible substrate such as cement screed and concrete for floors and walls.

Diamond Standard A8 has bonding strength that comply to ISO 13007, C1 requirement.

Fire resistance

The product is non-combustible.

Physical Properties

Colour	Grey
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 liter per 25 kg bag)
Adhesion Strength* ISO 13007-2	>0.5 N/mm ²
Open time ISO 13007-2	>15 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 (approx. 5.5 liter per 25 kg bag). Diamond Standard A8 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 Standard A8. Make sure the area is shaded from sunlight. Apply the Diamond A8 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 Standard A8 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.