

AKRE FIX 1051

C1TE

Description:

Cement adhesive for indoor ceramic works with a long-term application feature, non-slip.

Uses:

- Interior flooring and walls with various kinds of ceramics, porcelain, and decoration work.
- Installation of new tiles on previously existing tiles without the need to break them after priming the surface with a coarse foundation **AKRE PRIMER 2054**.

Properties:

- High adhesion and bonding strength.
- Good use time 6 hours inside the bowl after mixing.
- Practical and easy to apply and spread on surfaces.
- Hardened without shrinking, becoming highly resistant and fully bonding with the surface to be tiled.

Steps of application:

1- preparation of substrate:

- The surface must be solid and free of the residue of all kinds (cement, coating, oil materials, dust... etc.) It must be completely dry.
- Porous surfaces must be hydrated and then left to dry before use.
- In case the application is on pre-existing tiles type **AKRE PRIMER 2054** should be used for a perfect result.
- The back of the tile should be wiped with water if it is dusty.

2-Application:

-Mixing:

Add AKRE FIX 1051 slowly to the amount of clean water in the mixing bowl (25% water ratio) while avoiding adding any other substances during mixing and mixing using a low-speed mechanical mixer and

quietly for 2 minutes until we reach a homogeneous mixture free of clumps and let the mixture rest for 2 minutes until the chemical reaction is completed and then re-mix for (30-60 sec) so the mixture is ready to apply.

Spreading:

Spread the mortar on the surface using a notched trowel so that the size of its notches is proportional to the size of the tile, and to get stronger adhesion we start the spreading by the flat side of the trowel and then use the notched side at an angle suitable for the trowel so that we do not remove the mortar from the surface.

Spreading the mortar is parallel to the short side of the tile and one way, as well as in the same direction on the surface.

In the same way, we spread the mortar on the back of the tile, so we get a stronger homogenization and adhesion, especially on floors that are exposed to high pressure.

The consumption is (**~ 5 kg / 1 m² / 3-4 mm**) on average, as this ratio changes depending on the application conditions and surface properties.

The mortar in the bowl remains usable for up to 8 hours.

The tiles can be adjusted after being installed on the surface for up to (30-45) minutes considering climatic conditions (high temperature, drought, wind, etc....) may reduce this time to just a few minutes.

-Installation:

Place the tile on the surface and move it slightly towards a parallel to the longer side of the tile with constant pressure to make sure that the background of the tile is in full contact with the adhesive and with the surface.

Post-application recommendation:

- do not use the remaining mortar after the time of its validity in the bowl.
- It should be kept away from water for 24 hours after installation.
- Use **Akre Grout** to fill joints after 8 hours for walls and 24 hours for floors.
- The floors become ready for light foot traffic (walk) over it after 24 hours of installation.

Cleaning:

- Clean equipment and hands with direct water
- Clean the surface of the stuck material after installation with a wet cloth.

Storage:

- Storage in relatively dry warehouses away from humidity and direct sunlight.
- No more than 10 bags should be placed on top of each other during storage.
- Shelf life 12 months in appropriate conditions.

Packing:

- Multi-ply paper bag 20 kg.
- Multi-ply paper bag 25 kg.

Certificates of quality:

EN 12004-1, Class C1TE

C: CEMENTITIOUS.

1: STANDARD.

T: REDUCED SLIP.

E: EXTENDED OPEN TIME.

Safety recommendations:

AKRE FIX 1051 is a cement chemical compound containing substances that cause eye irritation and skin sensitivity so the following safety instructions must be adhered to:

- Wear gloves and goggles while working.
- Wear masks to protect respiratory health.
- Any scratch on the skin or eyes should be treated with pure water immediately.
- If the substance is ingested by mistake, a doctor must be checked immediately without attempting to stimulate vomiting.

Technical properties	
Appearance	powder
Base	Cement additives and polymers
Color	White - Gray
Density	1.85g/cc (approx)
Adjusting time after installation	30 – 45 min
POT Life in the bowel	8 Hours
Tensile adhesion strength	initial $\geq 0.5 \text{ N/mm}^2$
	after heat exposure $\geq 0.5 \text{ N/mm}^2$
	after immersion in water $\geq 0.5 \text{ N/mm}^2$
	after freeze/thaw cycles $\geq 0.5 \text{ N/mm}^2$
Water ratio	25 %
Consumption	(~ 5 kg / 1 m ² / 3-4 mm)
Grouting for walls	8 Hours
Grouting for floors	24 Hours
Alkali resistance	excellent
Oils resistance	Excellent
solvent resistance	Excellent