

## **AKRE REPAIR 720**

### **Description :**

Cement clay for repairing and processing cracks and fissures affecting concrete for interior and exterior with a thickness ( 1 – 5 mm ) .

### **Uses :**

- Internal and external use for vertical and horizontal repairs.
- Repairing weak, damaged, and cracked concrete and making it a smooth surface.
- Repairing the precast concrete and smoothing it.
- An alternative to cement that is exposed to breakage and is influenced by chloride and sulfate.
- Repairing cracks in concrete.

### **Properties :**

- High adhesion strength.
- solid and smooth Final surface.
- resistant to freeze and thaw.
- Easy to spread.
- High resistance to the weather conditions changing .

### **Steps of application:**

#### **1- Preparation of substrate :**

- The surface must be solid and free of residue of all kinds (cement, coating, oil materials, dust.. etc.) It must be completely dry.

#### **2- Application :**

##### **- Mixing :**

Add **AKRE REPAIR 720** slowly to the amount of clean water in the mixing bowl (20 % water ratio) while avoiding adding any other substances during mixing, then mix using a low-speed mechanical mixer, quietly and for 2 minutes until we reach a homogeneous mixture, free of clusters, let the mixture rest for 2 minutes, then re-mix for (30-60 sec ), and the mixture is ready to apply.

##### **- Spreading :**

Spread the mortar using a flat trowel with firm pressure to get good adhesion and to ensure that the mortar is stable in its appropriate place, as it is possible to spread the mortar with horizontal or vertical layers.

When needed to apply more than one layer you should leave the first layer to dry and become solid before applying the second layer thus that the thickness is between 1-5 mm per layer.

The mortar must be used within 60 minutes after mixing to obtain an effective result.

The consumption is (  $\sim 2 \text{ kg} / \text{m}^2 / \text{mm}$  ) on average, and this ratio changes depending on the surface properties and climatic conditions.

#### **Post-application recommendation :**

- If the application is on a surface exposed to direct sunlight or wind, it is preferable to moisturize the place of application within 24 hours following the application.
- Dispose of the remaining product after application when exceeding the duration of use.
- According to the nature of the surface the mortar must be protected after application using suitable protection chips or cover the treated surface with a durable plastic cover
- It is necessary to protect the treated place from winds and direct sunlight to avoid rapid drying.
- The surface becomes ready for use (tiling or painting.... etc.) 24 hours after the end of the application.

#### **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.

#### **Packaging :**

- Multi-ply paper bag 25 kg.

#### **Safety recommendations :**

Akre repair 720 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
Water ratio	20 %
Thickness	1 to 5 mm
Consumption	( ~ 2 kg / m <sup>2</sup> / mm )
Adjusting time after installation	60 minutes after mixing
Time required to install on it	24 Hours after application