

## **AKRE FLEX Elastic 2062**

### **Description :**

Waterproofing cement compound, of two components ( Powder A & liquid B ), with high flexibility used in construction and processing work to prevent water filtration and has very high effectiveness in submerged places permanently.

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### **Uses:**

- Insulation for swimming pool floors, bathrooms, beton water tanks and aquaria before tiling over them.
- Water insulation to protect concrete and building foundation structures.
- Moisture-proof and leaching on concrete structures.
- It forms an impermeable layer that prevents the influence of water.
- Strong waterproofing on surfaces exposed to walking and permanent movements such as balconies and terraces.
- Cement clay of brick and block.

### **Properties :**

- High flexibility.
- Excellent bonding power on all concrete surfaces and construction foundations.
- It can be used in drinking water tanks for lack of toxic chemicals.
- Resistant to chemical compounds such as sodium sulfate, sodium chloride, and sodium hydroxide, and provides protection from calcium, seawater, and carbon dioxide gas .
- It protects concrete from corrosion caused by the formation of calcium carbonate on it.
- It can be applied vertically and horizontally.
- Resistant to freeze and thaw.
- It can be easily applied using a brush or roll.

### **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, mosses.. etc.) It must be completely dry.
- The surface is free from cracks and fissures so it is preferred to be repaired using **AKRE REPAIR 720.**

- Moisten the surface with some water before application while ensuring there are no puddles on the surface.

## **2- Application :**

### **- Mixing :**

Add 5 liters of **AKRE FLEX Elastic 2062** (liquid) in a clean bowl and then slowly add over it 15 kg of **AKRE FLEX Elastic 2062** (powder) while avoiding adding any other materials during mixing, then mix using a low-speed mechanical mixer and quietly until we reach a homogeneous mixture, free of clusters, and the mixture is ready to apply.

### **- Spreading:**

Spread a thin layer of **AKRE FLEX Elastic 2062** using a brush or roll and then wait 5-6 hours to apply a second layer until we reach the required thickness.

The second layer must be spread perpendicular to the first layer

The consumption is (  $\sim 1.7 \text{ kg} / \text{m}^2 / \text{mm}$  ) on average, and this ratio changes depending on the surface properties and climatic conditions.

the working time at 30°C temperature is 45 minutes.

## **Post-application recommendation :**

- Dispose of the remaining product after application when exceeding the duration of use.
- It should be kept away from water for 24 hours after 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.
- shelf life 12 months in appropriate conditions.

## **Packaging :**

- **Powder component A :**  
Multi-ply paper bag 20 kg.
- **Liquid component B :**  
Plastic Gallon 10 kg.

## **Certificate of quality :**

- Tensile Adhesion Strength-Condition A (Standard condition): EN14891:2017
- Hydrostatic pressure – Positive: EN14891:2017
- Crack over bridging: EN14891:201

- **Safety recommendations :**
- **Akre Flex Elastic 2062** is a 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	
Color:	Powder A: grey Liquid B : White
Mixed product:	cement gray.
Flexibility	High flexibility
Density:	Powder: ~1.170 kg/l
	Fresh mortar density: ~ 1.70
Tensile Adhesion Strength Condition A (N/mm <sup>2</sup> ) :	≥ 0.5 N/mm <sup>2</sup>
Crack Bridging ability (mm) :	≥ 0.75 mm
Water influence Positive(bar):	After pressure for 7 days passed 1.5 bar water