LUTKAY AGRY
G.T & CONSTRUCTION CONTRACTING

AKRE FLEX 2060

Description :

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

Uses:

- Water insulation to protect concrete and building foundation structures.
- It forms an impermeable layer that prevents the influence of water.
- Moisture-proof and leaching on concrete structures.
- Strong waterproofing on surfaces exposed to walking and permanent movements such as balconies and terraces.
- Effective water insulation for concrete water tanks, swimming pools, and bathrooms before applying ceramic.

Properties :

- 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 2060 (liquid) in a clean bowl and then slowly add over it 15 kg of AKRE FLEX 2060 (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 2060 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 **(~ 1.8 kg / m^2 / 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 15 kg.
- **Liquid component B :**
  Plastic gallon 5 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 2060 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**
Density (mixed) :	**1.7 g/cc.**
Pot life, 30 C :	**45 minutes.**
Tensile Adhesion Strength Condition A (N/mm2) :	**≥ 0.5 N/mm2**
Crack Bridging ability (mm) :	**≥ 0.75 mm**
Water influence Positive(bar):	**After pressure for 7 days passed 1.5 bar water**
Chemical resistance :	**3.5 % Hcl**
	1 % NH4 OH
	3.5 % Hcl
Abrasion resistance (taber abraser) :	**70.5 mg./1000 cycles**
Drying time:	**2-3 hours**
Water absorption:	**<1 %**