

Crocodile Flex 2K

Waterproofing



Flexible Waterproofing Cement (2 components)

Flex 2K is 2 components cement based product. Flex 2K is a coating with flexible and waterproofing. It can adheres to practical surfaces such as concrete, mortar plasters, bricks, concrete blocks pre-fabricated panels, etc.

Product Features

- High adhesion strength
- Covering of pin holes and small cracks
- Can be covered with tiling
- Powerful water pressure resistance

Application

Suitable for waterproofing applications in general concrete and cement works, including rooftops, balconies, bathrooms, swimming pools, water tanks, fish ponds, concrete floors and walls, and wastewater treatment pits.

Standard : ASTM D412, ASTM C882, BS 1881

Color : Grey

Application Instruction

Substrate Preparation

- Clean the surface to be free from dust, grease, concrete scrap or unknown matter etc.
- Fill cracks if any on the surface with suitable repairing material.
- Moisten the surface thoroughly with water and allow it to dry to a damp condition before applying the waterproofing material.

Mixing Ratio

Cement 3.6 kg : Resin 1 liter or Cement 2.5 parts : Resin 1 part (by volume)

Estimated Coverage

1.5-2 kg/sq.m./ 2 coats



Mixing

Mix the cement with the additive according to the specified ratio. Blend the mixture using a low-speed drill at approximately 150 rpm until fully combined. Once mixed, use the material within 30 minutes. If the mixture begins to set, do not add water or resin to rework it—discard and prepare a fresh batch.

Application

- Apply the mixture onto the surface using a brush or roller in two coats. Allow the first coat to dry for 2–4 hours.
- For the second coat, apply in a direction perpendicular to the first coat.
- After application, protect the surface from water for 3 days.
- Before tiling, allow the surface to cure for at least 3 days. Prolonged exposure to direct sunlight may reduce tiling performance.
- If the surface will be used for water immersion, allow it to cure for at least 7 days to achieve optimal performance.

Technical Data

Test Method	Standard	Evaluation
Initial surface absorption at 28 days, ml/(m ² .s)		
at 10 minutes	BS 1881	< 0.05
at 30 minutes		< 0.05
at 1 hour		< 0.05
Bond strength by slant shear at 28 days	ASTM C882	1.10 MPa
Tensile strength at 28 days	ASTM D412	0.68 MPa
Elongation at 28 days	ASTM D412	> 4%

Limitation

It should not be left exposed for direct sunlight.

Caution

- Incorrect mixing ratios of cement and additive may result in performance variations from the stated specifications.
- The product contains Portland cement and other additives; use appropriate safety equipment such as gloves, dust masks, and safety goggles.
- If the product comes into contact with the eyes, rinse immediately with plenty of clean water and seek medical attention.
- Keep out of reach of children.

Storage

- Store in a shaded, well-ventilated area.
- Shelf life is 1 year from the manufacturing date when unopened. If the bag is not used up, ensure it is tightly sealed each time.

Packing

Net weight : 23 kg per set (cement 18 kg, resin 5 liters)

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