

Crocodile Ecoshield

Waterproofing



Waterproofing Cement Coating- 1K

Crocodile Ecoshield is a waterproofing cement coating with one component. It can adhere to practically surface such as concrete, mortar plasters, bricks, concrete blocks pre-fabricated panels, etc.

Product Features

- Easy to use, just add water
- Non toxic, low odor
- High-adhesion property for floors and walls before tile installation
- Easy and fast application
- Protect against water penetration
- Can apply by brush or trowel

Application

Suitable for general cement-based waterproofing applications (excluding areas with high water pressure), such as bathrooms, floors, walls, swimming pools, or as a primer before tile installation. Also used for sealing small cracks in concrete structures (excluding structures with ongoing movement).

Standard : EN 1015, DIN EN 1062, ASTM D4541

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 20 kg : water 6.6 liters or cement 2.2-2.5 parts : water 1 part (by volume)

Mixing

- Mix the cement with the additive according to the specified ratio. Blend the mixture at approximately 150 rpm until fully combine.
- Prepare only the amount that can be applied within 30 minutes. Do not add water to rework the mixture—discard any remaining material and prepare a fresh batch.

Application

- Apply using a brush or roller in two coats, ensuring full coverage of the surface.
- Apply the second coat 30–90 minutes after the first coat has dried, and apply it perpendicular to the first direction.
- Protect the coated surface from water for 3 days after application.
- Before tile installation, allow the surface to cure and dry for at least 3 days.

Estimated Coverage

1-1.5 kg/sq.m/ 2 coats

Technical Data

Test Method	Standard	Evaluation
Compressive Strength at 28 days	EN 1015-11	16 N/mm ²
Flexural Strength at 28 days	EN 1015-11	>7 N/mm ²
Tensile Strength at 28 days	EN 1015-12	>1.5 N/mm ²
Water Transmissibility at 28 days	DIN EN 1062-3	0.04 kg/m ² .h ^{0.5}
Pull off at 28 days	ASTM D4541	>1.4 MPa
Non toxic	-	Pass

*Remark: 1 MPa = 1 N/mm² = 10 bar ~ 145 psi

**Data derived from laboratory tests. Actual results will vary with field conditions.



Limitations

- It should not be left exposed for direct sunlight.
- Suitable for waterproofing applications with water heights below 5 meters or pressure less than 0.5 bar.

Caution

- Cement may cause skin irritation. Appropriate protective equipment such as gloves, dust masks, and safety goggles should be worn.
- If contact occurs on the skin or face, wash thoroughly with water and soap. In case of eye contact, rinse immediately with plenty of clean water several times and seek medical attention promptly.
- Keep out of reach of children

Storage

- Store in a dry place at a moderate temperature.
- Product shelf life: 1 year from the manufacturing date.

Packing

Net weight : 20 kg/bag, 4 kg/bucket

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