

Crocodile Acrylic Bondcrete

Admixture



Acrylic Bonding Agent & High Strength Admixture

Crocodile Acrylic Bondcrete is a concentrated acrylic-latex admixture used with sand-cement mortar or concrete to enhance strength and improve cement adhesion. It is suitable for thin-section repair work, serving as a bonding agent that maintains strong adhesion even in damp conditions. It can also be used as an adhesive for laying non-structural bricks or blocks to improve bonding strength.

Product Features

- Used as a bonding agent between old and new concrete
- Enhances adhesion and resistance to impact, abrasion, moisture, and chemicals
- Improves flexural strength in repair mortars

Standard : ASTM C348, ASTM C882, ASTM C109, ASTM C190

Color : White

Application Instruction

Substrate Preparation

- Roughen the surface and clean it thoroughly to remove all contaminants.
- Dampen the substrate with clean water and allow it to reach a saturated surface-dry condition before application.

Application

Use as an Admixture

Mix 1 liter of Crocodile Acrylic Bondcrete with 2 liters of water. Pour the mixture into 5 kg of cement and 13 kg of sand to enhance strength and bonding performance.

Use as a Bonding Agent

- For Slurry Bond Coat: Mix Crocodile Acrylic Bondcrete 1 part with portland cement 1.5 parts is suggested to provide a creamy thick bonding slurry. Apply the mixture on the surface by brush before pouring concrete.
- For surface repair work: Apply Crocodile Acrylic Bondcrete onto the prepared substrate and allow it to reach a tacky, semi-dry state before placing the new concrete.



Curing

Crocodile Acrylic Boncrete requires damp curing followed by drying in order to achieve full physical properties.

Usage Ratio

- For Cement Mixing Crocodile Acrylic Bondcrete 7.5 liters per 50 kg of cement
- For Priming Crocodile Acrylic Bondcrete 1 liter per 3 sq.m

Proportion of Mixing

Mix type	Cement	Fine Sand	Coarse	Rock	Acrylic Boncrete	Water
Mortar	1	1/4	2.5-3	0	1/4-1/2	As needed
Concrete	1	1/4	2-3	2-3	1/4-1/2	As needed

Technical Data

Test Method	Standard	Evaluation
Compressive Strength at 28 days	ASTM C109	> 28 ksc
Flexural Strength at 28 days	ASTM C348	> 9 ksc
Bond Strength by Slant Shear at 28 days	ASTM C882	> 4 ksc
Tensile Strength at 28 days	ASTM C190	> 2.5 ksc

Remark : 1 Mpa = 1 N/mm² \approx 10.2 ksc = 145 psi

Limitation

- Do not use as a neat bonding agent for any vertical, overhead, or structural applications, or with rapid setting cementitious products.
- The minimum recommended application temperature is 10°C. Temperature must remain at least 24 hours.

Caution

- Admixture may cause injury to skin or eyes. Use of rubber gloves, dust masks, eye protection, and other safety equipment is recommended.
- If contact with eyes occurs, flush immediately and repeatedly with water, and then contact doctor immediately.
- Avoid contact with face skin. Wash thoroughly with soap and water.
- Keep out of reach of children

Storage

- It should be kept in a dry place and the temperature is not too high.
- Shelf life for 1 year since manufactured date.

Packing

Net weight : 20 liters/bucket, 5 liters/bucket, 1 liter/bucket

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