

Crocodile Epoxy Seal

Structure Repairing



Rebar Anchoring & Epoxy Mortar Adhesive

Crocodile Epoxy-Seal is solvent-free, 2-component bonding, repairing, rebar anchoring and crack filling epoxy mortar, based on a combination of resins and specially selected high strength fillers. Its pasty consistency allows an easy and versatile application.

Product Features

- Excellent adhesion to concrete and many other materials.
- Non-sag and non-shrink, even at high temperatures
- High compressive and tensile strength.

Application

- Material bonding
- Concrete repairs
- Blow hole filling
- Crack and surface sealing
- Suitable for rebar Ø 6-20 mm

Standard : ASTM C882

Color : Grey



Application Instruction

Substrate Preparation

- Clean the surface to be free from dust, grease, concrete scrap or unknown matter etc. The metal surface must be free from rust.
- Fill cracks if any on the surface with suitable repairing material. Fill wall border or joints with sealant.
- Leave the surface dry at least 3 hours after cleaning.
- The materials to be applied must be dry, clean, and odor-free. Do not use on materials with surfaces that are friable or prone to dust.

Proportion of Mixing

Mixing Part A : Part B = 2 : 1

Mixing

Mix both components together for at least 2-3 minutes with a mixing paddle attached to a slow speed electric drill (max. 600 R.P.M.) until the material becomes smooth into consistency and an even grey color of the mixture is obtained. The mixture should be used within 20-30 minutes.

Application

- Apply the mixed adhesive evenly to the entire surface. Ensure a consistent thickness and verify that there are no voids between the substrate and the material being bonded. If necessary, temporarily secure the material in place while the adhesive cures to prevent displacement.
- For vertical anchor installation: Drill a hole 2-4 mm larger in diameter than the rebar. Fill the drilled hole with epoxy, then insert the rebar.
- For horizontal rebar installation: Fully coat the rebar with epoxy before inserting it into the wall hole.

Curing

A minimum cure is obtained in 10-30 minutes, depending on ambient temperatures and humidity.

Estimated Coverage

1.5 kg / sq.m (thickness approx. 1 mm)

Usage Ratio

Diameter (mm)			Area (sq.cm)	Dept (mm)	Usage per hole (cc)	No. of hole per 1 kg
Stud	Rod Bar	Drill				
M8	6	10	0.50	80	4	155
M10	9	12	0.50	100	5	126
M12	10	14	0.75	120	9	69
M14	12	16	0.88	140	12	51
M16	15	18	0.78	160	12	50
M20	19	22	0.97	200	19	32



Technical Data

Test Method	Standard	Evaluation
Bonding Strength by Slant Shear		
1 day	ASTM C882	>17 MPa
7 days		>21 MPa

*Remark : 1 MPa = 1 N/mm² ≈ 10.2 ksc = 145 psi

Caution

- Temperature range for use : 10-40°C
- Clean all tools and equipment immediately after use with thinner.
- Cement 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 skin. Wash thoroughly after handling with water and soap.
- Keep out of reach of children

Storage

- It should be kept in a sealed condition in a dry place, and the temperature should not be too high to avoid the product's degradation.
- Shelf life for 3 years since manufactured date.

Packing

Net weight : Set 2 kg/can, Set 1 kg/can

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