

# Crocodile Feather Patch

## Structure Repairing



### Cosmetic Repair Mortar

Crocodile Feather Patch is a modified polymer mixed with high quality cement which can be used for cracks and honeycomb concealing on concrete slab or wall, with rough or smooth finishing as desired

### Product Features

- Concealing crack and chipped concrete specimen from 1-13 mm in thickness
- Consists of high-quality modified cement polymer, low water absorption
- Homogenous mixture, just mix with water
- Can hold internal moisture well with self-curing property, long workable period up to 1 hour

Standard: ASTM C109, ASTM C882, ASTM C580 ASTM C307

Color: Grey

### Application Instruction

#### Substrate Preparation

- Chip or scrape the surface for a rough texture to improve adhesion
- The surface should be solid and clean without dirt and impurities
- Apply water to the surface until saturated and left for 4 hours then remove excess water on the surface before applying the mixture

#### Mixing Ratio

- Crocodile Feather Patch 1 kg per 0.16 liter of water or;
- Crocodile Feather Patch 4.5 parts per 1 part of water by volume



### Mixing

- Measuring water with recommended mixing ratio in bucket then slowly pour Crocodile Feather Patch while slowly stir with motorized paddle mixer, running at low speed, or trowel until the mixture become homogenous (approximately 2-3 minutes) before using
- Mix in small quantity for 45 minutes of working period
- For vertical application, such as wall repair, water ratio can be reduced by a small portion. It not recommended to apply water to smoothen the surface immediately after finishing but left until the mixture starting to form. Overhead application is not recommended

### Application

- Using trowel to apply the mixture on the surface in small quantity for required thickness (over 13 mm is not recommended)
- Smoothing the surface for finishing and protect from direct sunlight for approximately 3 days

### Curing

- The product has a self-curing property
- In case of high temperature or windy site condition, curing compound or covering with saturated hemp sack is recommended and should not be directly exposed to sunlight
- Left for curing for approximately 3 days

### Usage Ratio

Crocodile Feather Patch 20 kg per 0.007 m<sup>3</sup>

### Technical Data

| Test Method                            | Standard  | Evaluation |
|--|-----------|------------|
| Density                                | -         | 1.8 kg/L   |
| Compressive Strength (28 Days)         | ASTM C109 | > 500 ksc  |
| Flexural Strength (28 days)            | ASTM C348 | > 90 ksc   |
| Bond Strength by Slant Shear (28 days) | ASTM C882 | > 90 ksc   |

Remark : 1 Mpa = 1 N/mm<sup>2</sup> ≈ 10.2 ksc = 145 psi



### **Recommendation**

- Do not apply at thickness over 13 mm (1/2"). In case of higher required thickness, multiple layers should be applied
- Do not use in submerged or ponding area
- Do not mix with other chemicals or products
- Do not apply in overhead application
- For applications in temperatures below 4°C or above 35°C, follow the recommended guidelines.

### **Caution**

- 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.
- Keep out of reach of children

### **Storage**

- It should be kept in a dry place and ventilated area.
- Shelf life for 1 year since manufactured date in sealed condition.

### **Packing**

Net weight : 20 kg/bucket, 1 kg/bag

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