

# Crocodile Floor Patching Mortar

## Floor Re-surfacing Mortar



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Crocodile Floor Patching Mortar is a pre-mixed mortar designed for thin concrete surface repairs at 2–5 mm per application, ideal for restoring worn or uneven concrete to a smooth finish. The product bonds integrally with existing concrete, provides excellent crack resistance and high adhesion, and offers outstanding abrasion resistance, allowing it to be left exposed without additional coverings. It is suitable for heavy-traffic areas requiring thin resurfacing over large surfaces, such as concrete road repairs, concrete yards, warehouse floors, loading bays, parking areas, and multipurpose open spaces.

### Product Features

- For smoothing application on 2-5 mm thickness without crack
- Easy to use, by using a trowel or floor Squeegee for smoothing the surface.
- High abrasive resistant, can be used as the top layer of the surface without covering material.
- Excellence bonding to cement substrate
- Excellent crack resistance
- Suitable for heavy traffic area
- Can be used on slope area.

### Application Area

Ideal for repairing and leveling uneven existing concrete surfaces, with repair depths ranging from 2–5 mm. Common applications include residential roads, showroom driveways, concrete yards, warehouse floors, loading bays, parking areas, rice mill yards, and various multipurpose concrete surfaces.

**Color:** Grey



## Application Instruction

### Substrate Preparation

#### For Old Concrete

- Inspect the substrate to ensure it is sound, dust-free, non-delaminated, clean, and free from oil, form-release agents, curing compounds, or other contaminants.
- For cracks wider than 10 mm, widen the crack into a V-groove approximately 13 mm wide, then repair the area using Jorakay Acrylic Patch before applying the product.
- If mold or algae is present, remove completely using a brush, high-pressure washer, or Jorakay Biocidal Wash.
- For smooth-troweled concrete, floor-hardener surfaces, waxed surfaces, or water-repellent coatings, perform a Water Drop Test: apply a small amount of water and wait 10 seconds. If the water does not absorb or absorbs very slowly, the surface has poor porosity and must be opened using a concrete grinder, removing approximately 1 mm per pass, then retest before proceeding.
- For weak or powdery concrete surfaces, grind the substrate with a concrete grinder to improve surface strength and smoothness.
- Clean the concrete surface thoroughly and pre-dampen it with clean water until fully saturated but without standing water. A properly saturated surface will show no air bubbles rising when lightly sprayed with water.
- Do not work on substrates that are still moving, settling, or actively cracking; consult a specialist if necessary.

#### For New Concrete

- Inspect the substrate to ensure it is sound, dust-free, non-delaminated, clean, and free from oil, form-release agents, or curing compounds.
- Allow the concrete surface to fully cure for at least 28 days before application.
- Do not apply on areas that are still settling, experiencing structural movement, or showing active cracking; consult a specialist if necessary.

### Mixing Ratio

Crocodile Floor Patching Mortar with 28% water

Crocodile Floor Patching Mortar 1 bag (20 kg) per water 5.6 liters

### Mixing Method

Mix Crocodile Floor Patching Mortar with water. Stir with slow speed electric mixer ( $\leq 500$  rpm) around 1-2 minutes.

### Application Method

- Pour the Crocodile Floor Patching Mortar on the surface by pouring in a long line along the area to be repaired.
- Using a floor squeegee to apply 2-5 mm thickness/time.
- Wait for the first layer to dry for approximately 1 hour and then apply the second layer.
- Can use polished trowel for smoothing surface.
- Applied area could be walked after 24 hours, with light traffic (small car) after 48 hours and with heavy traffic (truck) after 72 hours.

### Estimated Coverage

Approximately 1.5-2 kg / m<sup>2</sup> / mm (apply in two coats at a thickness of 2 mm per coat.) It depends on the type and condition of the substrate.

The exact consumption must be determined by means of a sampling of the work.

### Tool Cleaning

Clean tools after use with water.



**Technical Data**

Properties	Standard Test	Period	Results
Pot Life	In house		40 min
Flexural Strength	ASTM C348	1 day	> 1.0 MPa
		7 days	> 5.0 MPa
		14 days	> 7.0 MPa
		28 days	> 10.0 MPa
Compressive Strength	ASTM C349	1 day	> 2.0 MPa
		7 days	> 15.0 MPa
		14 days	> 20.0 MPa
		28 days	> 25.0 MPa
Bonding Strength	ASTM D7234	1 day	> 0.5 N/mm <sup>2</sup>
		7 days	> 1.0 N/mm <sup>2</sup>
		14 days	> 1.5 N/mm <sup>2</sup>
		28 days	> 2.0 N/mm <sup>2</sup>
Weight Loss (Dry Scrub 150 rounds)	In House	3 days	0.090 g
		7 days	0.028 g

Remark: Above evaluations are from laboratory; actual installation might provide the different results according to the condition of workplaces



### **Suggestion**

- To avoid the pinhole, should cool down the temperature by moist substrate with clean water.
- The special additive is contained to maintain the hydration in the product. The substrate should be moist but not wet. Too much water on substrate may cause the blistering or defect.
- To achieve appropriate thickness, applying the product with squeegee is recommended.
- To avoid the trowel mark does not recommend the Gauge Rake to apply the product.
- Not apply over the joint to avoid crack.

### **Caution**

- Recommend using rubber gloves, dust masks, eye glass and personal safety equipment.
- Apply with good ventilation. Do not inhale product.
- In case of contact with eyes, rinse immediately with water and seek medical advice.
- Keep away from children.

### **Storage**

- Store in a cool, dry, shaded area at an appropriate temperature between 0–35°C.
- Keep in a well-ventilated, covered storage area.
- Shelf life of 1 year from the date of manufacture in sealed condition.
- Once opened, the product's shelf life will be reduced; if not used entirely, ensure the bag is tightly sealed after each use.

### **Packing**

Net weight : 20 kg/bag

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