

# Crocodile Floor Smooth Base

## Special polymer modified cement mortar



### Special Polymer Modified Cement Mortar for Smoothing Floor Surface

Crocodile Floor Smooth Base is a special polymer modified cement mortar for smoothing floor surface application. Use for repairing the traffic area or any surface defects in concrete to be smooth. And use for smoothing the surface on slope area. For application on 2-10 mm thickness without crack. Excellent bonding to cement substrate. Recommend to top apply by Crocodile Floor Smooth Patch to provide high abrasive resistant. Suitable for trafficable areas such as warehouse, carpark, deck, ramp, or slope area and etc. For walkable or light traffic areas can open within 24 hours and within 48 hours for heavy traffic areas.

### Product Features

- For surface smoothing application on 2-10 mm thickness without crack.
- Excellence bonding to cement substrate.
- Suitable for trafficable area.
- Suitable for preparing the surface of slope area.

**Color :** Grey

### Application Instruction

#### Substrate Preparation

The substrate must be cleaned. Free from loose particles. Dirt, dust, any oils, other impurities, or foreign materials must be removed.

#### Mixing Ratio

Water : Crocodile Floor Smooth Base = 1 : 3.8 by volume or water 3.4 liters per Crocodile Floor Smooth Base 1 bag (20 kg.)

#### Mixing Method

Mix Crocodile Floor Smooth Base with water. Stir with slow speed electric mixer (< 150 rpm) till homogeneous.



**Application**

Apply the mixture to the prepared substrate with a trowel. Smoothen the surface to avoid micro cracks. The application thickness is approximately 2-10 mm let it dries 4-6 hours. Tops apply by crocodile floor smooth patch with trowel. Smoothen the surface to avoid micro crack. The application thickness is approximately 1-2 mm. Applied area could be open after 24-48 hours.

**Estimated Coverage**

Approximately 20 kg/sq.m/cm. It depends on the type and condition of the substrate. The exact consumption must be determined by means of a sampling of the work.

**Tools**

Polished Trowel

**Tool Cleaning**

Clean tools after use with water.

**Technical Data**

Test Method	Standard Method	Standard value	Actual
Bulk density	In house	1.50-1.60 g/cm <sup>3</sup>	1.56 g/cm <sup>3</sup>
Slake time	In house	15 min	15 min
Pot life	In house	>3 hr	4 hr
Setting time			
Initial set	ASTM C807	-	16 hr 51 min
Final set		-	18 hr 0 min
Bonding strength 1 cm			
3 days	ASTM C1583	-	2.32 N/mm <sup>2</sup>
7 days		-	3.05 N/mm <sup>2</sup>
28 days		≥ 0.50 N/mm <sup>2</sup>	3.51 N/mm <sup>2</sup>
Flexural strength			
3 days	ASTM C348	-	5.560 N/mm <sup>2</sup>
7 days		-	6.929 N/mm <sup>2</sup>
28 days		-	8.080 N/mm <sup>2</sup>
Compressive strength			
3 days	ASTM C109	-	25.42 N/mm <sup>2</sup>
7 days		-	34.63 N/mm <sup>2</sup>
28 days		-	40.04 N/mm <sup>2</sup>



### **Suggestion**

- The product can be used to repair damaged surfaces with a depth of up to 10 mm.
- The product must not be left exposed; a finishing layer of Crocodile Floor Smooth Patch should be applied on top to achieve maximum load-bearing performance.
- Surface trowel finishing is recommended to help prevent cracking.
- Ensure the repair surface is free from lumps of hardened mortar, aggregate, sand, or debris; remove all residues before application.
- Do not apply the product on hot surfaces or under direct sunlight; lightly pre-dampen the surface to reduce temperature before application.

### **Caution**

- Recommend using rubber gloves, dust protection masks, eye safety goggles, and personal safety equipment.
- Apply in good ventilation area. Do not inhale products.
- In case of any spill on eyes, rinse immediately with clean water and seek medical advice.
- Keep away from children.

### **Storage**

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

### **Packing**

Net weight : 20 kg/bag

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