

ECMAREP PAVING FAST

Nano-modified, quick-setting mortar for restoration of joints in industrial floors/ concrete pavements

Description

ECMAREP PAVING FAST is a quick-setting, premixed material formulated with nanotechnologies.

Areas of Application

ECMAREP PAVING FAST is recommended for repairing joints in industrial concrete floors and concrete pavements.

Advantages

- ECMAREP PAVING FAST is exempt from shrinkage phenomena.
- Stays workable for about 30 minutes at a temperature of +20°C and make be walked on and driven over by vehicles with tyres 2 hours after its application.
- Easy Application of mortar
- Provide High Strength

Technical Specifications

Appearance	Grey
Form	Powder
Density at 27 °C	2.10±0.05 g/cc
Application Thickness	10 – 50 mm
Laying Time	30 Minutes
Mixing Water	3.00- 3.25 Litres /25 Kg
Flow	260±20 mm
ECMAREP Paving Fast Repair per 1m ³ fresh Mortar	1820 – 1890 Kg
Compressive Strength MPA	
2 Hours	>20
1 Day	>60
7 Days	>70
28 Days	>80

Application Instruction

Surface Preparation: Proceed to open the damaged joint along its entire length, increasing its section:50 mm per side, 50 mm in depth. This ensures that the surface bounded by the two cuts will be demolished as far down as the healthy, compact concrete. Remove debris and suction up all residual dust. This is essential to ensure perfect adhesion of ECMAREP PAVING FAST to the substrate.

Dampen the substrate thoroughly with water, being sure to remove all excess water and making sure there are no remaining pools of water on the surface to be repaired.



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Mixing: Mix mortar with a mechanical mixer rather than by hand. Pour about 90% of the specified amount of water into the mixer and then operate the mixer while adding ECMAREP PAVING FAST uninterruptedly to prevent formation of lumps. Mix for 3-4 minutes and then add the rest of the water if necessary, to reach the desired consistency and mix for another 2-3 minutes.

Application: Apply a bond coat of ECMABOND 510 & Cement (1:2 ratio) on damp concrete surface. Proceed to apply ECMAREP PAVING FAST. Even over and smooth out the surface with a plastering trowel or a metal trowel. It is advisable to apply the product at a temperature of +5°C to +30°C; low temperatures (<5°C) slow down setting significantly; high temperatures (>30°C) cause the mortar to become unworkable rapidly.

ECMAREP PAVING FAST hardens quickly, so only mix as much product as you can apply within 30 minutes of mixing it at a temperature of +20°C. After casting, protect mortar surfaces exposed to the air and/or sun from evaporation by applying damp cloths or using curing agents (CURING ECO, CURING S OR PAVING PROTECT).

24/48 hours after casting, proceed to form the joints by cutting it with a suitable tool. Seal the joint with polyurethane sealant ECMASEAL PU 1K.

Packaging

25 Kg Bags

Shelf Life

06 Months in original unopened sealed condition.

Storage & Handling

Material should be stored in Cool and Dry shade. Also protect it from direct sunlight. Please do not use hooks and handle carefully during transport.

Safety Precautions

Wear all PPE's at the of Application like Safety boot, Safety Goggle, Hand Gloves, Mask and avoided with contact of Skin and Eyes. Any direct skin contamination with the hardeners should be washed off immediately with soap and water.

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