



Ferropatch 551

ONE COMPONENT DECORATIVE MORTAR



Ferropatch 551 is a fast-setting mortar specifically designed to allow slight movement and concealing cracks of concrete. Suitable for thin plaster 0.1-5 mm. to decorative and conceal epoxy injections repair cracks of concrete car park floor or industrial floor etc.

Advantages

- High adhesion, do not easily spalling off.
- Smooth surface.
- Easy to use just mix with water.
- Fast dry, enable it within 6 hours.

Area of use

- Decorative plastered for cracks concrete road surface after the repair is complete.

Standards and compliances

Ferropatch 551 is manufactured under standard meets to ASTM C882 Standard test method for bond strength of epoxy-resin systems used with concrete by slant shear

Physical properties

Properties	Value
General characteristics	Gray powder
Density, kg./litre (Approx.)	1.10 kg./litres
Fine mass size, mm. (Approx.)	0-0.3 mm.

Technical properties

Properties	Values	Standard
Bond strength by slant shear at 28 days, kg./cm ² (Approx.)	24 kg./cm ²	ASTM C 882

Method statement

Ferropatch 551

Step 1 Surface Preparation

- Complete repair surfaces must be clean, dust free, grease, oil stains, old paint etc.
- Grinding the spray surface to smooth, stick the left-right masking tape approx wide. 5-10 cm. Vacuum and rinse with clean water and leave to dry before work start to reduce the risk that the original concrete floor will suck water from Ferropatch 551.

Step 2 Mixing

Mixing Ferropatch 551 1 kg with clean water 360 g. (36%) stirring with a steel trowel or a low round drill for 1-2 minutes to be homogeneous. Bring the mixture to use immediately use within 5 minutes after mixing as it is a fast-setting mortar.

Step 3 Plastering

Plastering to thin 0.1-1.5 mm. leave dry for 6 hours. before activation. If the customer wants to colour as close as the original can be mix colour powder for cement.

*Note The adhesive paper should be peeled off before the mortar is completely dry.

Step 4 Slit pattern

Should be use wire rake for road to gently slit the pattern while Ferropatch 551 starts to dry. In order to have stripes similar to the road surface nearby.

Step 5 Curing

Curing with clean water or concrete curing compound (Ferrocure 113) or lithium silicate Ferrocure 105 when mortar starts to setting for 1-2 hours.

Limitations/Cautions

- Installation temperature should be approx. 30 °C.
- Case of plastering in the sun, strong wind. Should be shade and curing with clean water or concrete curing agent (Ferrocure 113) or lithium silicate Ferrocure 105 once mortar has started leave dry 3-4 hours.
- Do not mix mortar or sand, stone or other chemicals.
- Colour of the decorative mortar when dry is darker than the color of old concrete.
- Suitable for traffic only vehicles with rubber wheels. Case of needing to repair surfaces industrial floor should be switch to an epoxy type covering material Ferroz 714 3 component epoxy mortar to be resistance to traffic hard plastic wheels.

Technical support

Customers can contact the sales department of the company at sale@ferroproduct.co.th to inquire about product usage methods. Furthermore they can also request information or organize the following activities :

1. Request for the latest updated data sheet.
2. Request for the sale conditions document and the product price list.
3. Schedule a technical staff visit to demonstrate the products at the customer's job site by filling out the "Demonstration request form" prior to the product purchase.
4. Schedule a technical staff visit to provide product usage training to the customer's workers at the job site by filling out the "Worker training request form".
5. Schedule training for the customer's foreman at the company's training center (Ferro training center) by filling out the (Foreman training request form).

Coverage

Approx. 1 kg./m²/1.5 mm.

Package

1 kg./bag



Cleaning tools

Clean all tool with clean water before the mortar start to dry. In case of a dried mortar adhere tightly to the tool, use mechanical methods such as chiselling.

Storage

- 6 months
- Keep in dry shaded area, temperature 23 °C + 2%, Humidity 50 + 5%RH (Conform to ISO 554)

Health and safety instructions

- May cause health effect :
- Eye : May cause eye irritation.
- Skin : May cause skin irritation.
- Ingestion : May cause vomiting or nausea if swallowed.
- Inhalation : No serious effect.
- Inhalation : Move to fresh air, oxygen support if necessary. In case of breathing difficulty is occurred continuously, should taken care by medical treatment.
- Eye : Flush with clean water at least 15 minute. if irritation still exist, see medical attention.
- Skin : Clean the irritation area with mild soap and water, if burning is still exist, see physician immediately.
- Ingestion : Do not induce vomiting. call physician immediately.



Disposal

Ferropatch 551 is composed of cement please do not put waste into public drainage, It is recommended to let the cement dried with sunlight.

Transportation and shipping data

THAI DOT	: Not regulated.	IMO	: Not regulated.
USA DOT	: Not regulated.	IATA	: Not regulated.
RID/ADR	: Not regulated.		



Size

1 kg./bag

Code FG-SM-00217

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Product warranty: The company is pleased to replace any product that is clearly proven to be defective due to manufacturing processes with a new products of equal value to the portion that is defective. Refunds are not available. Customers must be notify us of replacement within 7 days from the order date. Additionally customers can't claim damages resulting from direct or indirect using of the materials, as well as delays in delivery by the company. Furthermore replacements can't be made for errors in using that arise from customers negligence without consulting the sales staff or technical documentation provided by the company. The company reserves the right to amend manufacturing formulas or new packaging designs without prior notice. Therefore customers must be request the data sheet and sale conditions from the company before actual using and before each purchase. By doing so the company assumes that customers have understood and agreed to the company's sale conditions before using. (Company products are only allowed for using by individuals who have completed training provided by the company). *For further data please refer to the sale conditions from the company's sale department at sale@ferroproduct.co.th.



ISO 9001 & ISO 14001



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