



Ferrocem 507

PREMIUM READY MIXED MORTAR



Ferrocem 507 is a general-purpose repair mortar that composed of cement, selected quartz sand with special polymer additives that enhance a mortar high adhesion property. Ferrocem 507 is suitable for general concrete and masonry repair works where medium adhesion to the existing cementitious substrate is required. This product is suitable for tasks such as fixing and replacing a broken ceramic tile with a new one, repair the edge of concrete column or floor, repairing a spalling masonry wall etc.

Advantages

- High adhesion to cementitious substrate.
- Medium compressive strength.
- Easy to use.
- Non-Sag, suitable for vertical repair works thickness 10-30 mm.

Area of use

- Cracked plastering wall.
- Floor and wall tile repair work in small repair work.
- Plastering work.
- Brick work.

Standards and compliances

Ferrocem 507 is manufactured under standard meets to ASTM C109, ASTM C91, ASTM C807

Physical properties

Properties	Values
General characteristics	Powder
Colour	Gray
Dry density, kg./litre (Approx.)	1.29 kg./litres

Technical properties

Properties	Values	Standard
Compressive strength at 28 days, MPa. (Approx.)	24 MPa.	ASTM C109
Water retention, % (Approx.)	79%	ASTM C91
Setting time, minute (Approx.)	305 minutes	ASTM C807

*Note : Water content 20-24%

Method statement

Ferrocem 507

Step 1 Surface Preparation

- The structural surface to be repair must be clean, free from dust, oil, grease, old paint etc.
- Should be to chisel a loose part of concrete leave until a strong surface area that is suitable for good bonding is reached of Ferrocem 507. Clean the steel and apply with rust converter (Ferrorez 722).

Clean all prepared substrate with plenty of water and leave to dry for 30-60 minutes prior to the start of repair work with premium ready mixed mortar (Ferrocem 507).

Step 2 Mixing/Plastering

- Mixing Ferrocem 507 (1 bag, 5 kg.) with clean water 20-24% or approx. 1-1.25 litres use a low speed drill (400-600 rpm.) until a homogenous mixture is reached. Do not add add water after mixing. Apply to use within 20 minutes.
- Cracked plastering wall repair work. Should be expand the groove to be wide 1 cm. and deep 1 cm. before plastering.

Tile sizes of use

Small tiles			
5x5 cm.	10x10 cm.	15x15 cm.	20x20 cm.

Limitations/Cautions

- Operation temperature should be between 15-40 °C.
- Do not mixing with other materials.
- Should be keep Ferrocem 507 in dry and shaded area.
- Should be use once after mixing (20 minutes).
- Do not use to repair expansion joint.
- Not a standard type of cementitious adhesive. Ferrocem 507 is use for spot repair not a continuous area.

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. 0.3375 m²/1 cm.

Approx. 0.1125 m²/3 cm.

Package

5 kg./bag (6 bags/carton, 40 cartons/pallet = 240 bags).

Cleaning tools

Should be wash mixing tool with water immediately before the Ferrocem 507 dry.
Dry cases should be extracted with mechanical force.

Storage

- 6 months in unopened bag.
- 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

Ferrocem 507 is composed of cement disposal do not put waste into public drainage, It is recommended to let the cement dry 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

5 kg./bag.
6 bag./carton, 40 cartons/pallet
= 240 bags
Code FG-5IC-8858915255181

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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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