



Ferrocure 115

CURING COMPOUND FOR FAST-SETTING MORTAR



Ferrocure 115 is a curing compound for fast-setting mortar. The reaction between calcium hydroxide in concrete components will form a better densifying and harden concrete surface. Ferrocure 115 can reduce water loss during hydration that help better to achieved to compressive strength as by mixing design and minimise hairline crack on concrete surface after curing. Suitable for spray on the surface of fast-setting mortar in road works (Ferrocure 216), outdoor carpark.

Advantages

- Reduce the cracking of fast-setting mortar surface from losing water too fast and increase strength.

Area of use

- Curing the surface to fast-setting mortar in the concrete surface road repair outdoor the building.

Standards and compliances

Ferrocure 115 is manufactured under standard meets to ASTM C 309-03

Physical properties

Properties	Value
Colour	Clear
Dry film appearance	Clear
Specific gravity 30 °C (Approx.)	0.70
Working temp, °C (Approx.)	20 °C

Technical properties

Properties	Value	Standard
Water retention, kg./m ² (Approx.)	1.91 kg./m ²	ASTM C 309-03

Method statement

Ferrocure 115

1st curing

1st curing curing approx. minute 20 after pour fast-setting mortar approx. 20 minutes or finished anti-skid line or may observe the appropriate curing rhythm from observing that the surface start to become dry, fade colour change and not water on the surface, hand touch the surface without scratch to curing immediately. Must be curing surface with a special curing compound (Ferrocure 115) coverage 6-8 m²/litre/time.

*Caution (1) curing time is too fast the surface is still wet not dry when spray curing compound there will be white stains (Efflorescence) which can't wash only need to be polishing
(2) Curing stroke is too slow, surface is dry and white stains will risk breaking the sesame.

2nd curing

2nd curing approx. hour 3 after the first curing to reduce the heat of fast-setting mortar which has a much higher heat during formation than general mortar, coverage 6-8 m²/litres/time *Rainy season or a day when the weather is not hot enough to curing once.

*Note (1) Use the double curing technic therefore reduces risk from hair line crack better than curing once.

(2) Is a limitation that white stains may occur. Because the curing compound with contains water and in mortar there is water and lime as an component which if the curing rhythm by fast-setting mortar still has a lot of water stains (Wet) and the installer spray more curing compound, causing excess water. Lime stains therefore floats up on the surface and when dry can not be wiped off must be polishing with a light sandpaper disc grinding.

(3) Do not spray too much until the flood curing compound or a ponding of curing compound because will cause white stain of lime (Efflorescence).

Limitations/Cautions

- Do not spray Ferrocure 115 on polished concrete surfaces or floorhardener. Because will be born stains from spraying unattractive.
 - Do not spray during strong winds and should be spray evenly over the entire area do not spray until white sediment is formed.
 - Do not spray on concrete surface with water ponding.
 - Ferrocure 115 is intended for outdoor use only.
- See more technical data in "Problem and solution shooting" in www.ferroproduct.co.th or email to technic@ferroproduct.co.th for more information.

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

Spray at the rate of 6-8 m²/litre/1 time.
Spray at the rate of 3-4 m²/litre/2 times.

Package

1 litre/gallon (10 gallons/carton).
5 litres/gallon (4 gallons/carton, 40 cartons/pallet).
20 litres/gallon (24 gallons/pallet).
200 litres/drum.

Cleaning tools

Should be wash mixing tool with clean water immediately before the Ferrocure 115 dry.

Storage

- 1 year in unopen container.
- Keep in dry shaded area with 23 oC temperature + 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

Ferrocure 115 is composed of silicate substance disposal do not put waste into public drainage.

Transportation and shipping data

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



Size

- 1 litre/gallon
(10 gallons/carton)
Code FG-1IC-8858915212900
- 5 litres/gallon
(4 gallons/carton, 40 cartons/pallet)
Code FG-1IC-8858915212801
- 20 litres/gallon
(24 gallons/pallet)
Code FG-1IC-8858915212795
- 200 litres/drum
Code FG-1IC-8858915213037

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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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