



Ferrorez 718

WATERUNDER EPOXY FOR CERAMIC TILE



Ferrorez 718 is a kind of epoxy with no solvent mixtures. The thixotropic epoxy paste can be used underwater with high bond strength. It is suitable for the repair of damaged tiles in the swimming pool by diving to repair underwater without the need for water drainage.

Advantages

- High adhesion to on concrete or metal surfaces.
- Harden underwater.
- Very high adhesion.
- White color; can be used as under water tile grout.
- Non-toxic and no solvent mixtures.
- Tolerant to acid, base, chlorine and sea water.
- Well-applied both in vertical and horizontal tiling.

Area of use

- Swimming pool.

Standards and compliances

Ferrorez 718 is manufactured under standard which conform to ASTM C 882

Physical properties

Properties	Value
Component A+B	Thixotropic Paste
Colour	White
Specific density	1.6
Time to dry underwater (start)	8 hr. (20 °C)
Time to dry underwater (end)	16 hr. (20 °C)

Technical properties

Properties	Values	Standards
Bond Strength	45 kg./cm ² (7 days)	ASTM C 882
Compressive Strength	150 kg./cm ² (7 days)	ASTM C 109

Method statement

Ferrorez 718

Step 1 Surface Preparation

The repaired surface under water should be cleaned by removing ceramic tiles out to expose the concrete surface.

Step 2 Mixing

Add Compound A and B of Freeoerz 718 at the ratio of 1:1 by weight. Stir the mixture using electric drill at the speed of 400 rpm for 3-5 min until reach homogeneous.

Step 3 Tiling

Prepare diving equipment. Pour the mixture of Ferrorez 718 all over the back of the tile for 0.7-10 mm. thick. Drove to the area and attach the tile to the damages spot. Press the tile firmly for about 30 seconds. Adjust the line with the epoxy that flow over the edge while pressing. Clean the edge and leave the area for 24 hrs. before use.

Limitations/Cautions

- Do not divide the amount to make the compound. Wrong weighting can cause non-stiffness.
- Not suitable for using in drinking water tank.

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

1 kg./m²/5 mm.

Package

2 kg./set (A+B)

Cleaning tools

Wash tools with water before material cures. If the mixture is dry, then peel off the mechanical force, such as scraping off.

Storage

- Shelf life 1 year in the container lid.
- 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

Ferrorez 718 is composed of epoxy disposal do not put waste into public drainage, It is recommended to let the epoxy 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

2 kg./set (A+B)

Code FG-IC-8858915271112

component A = 1 kg.

component B = 1 kg.

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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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