



# Ferrorez 721

## 3 PARTS HIGHFLOW EPOXY GROUT



Ferrorez 721 is a high flow epoxy grouts. with special resin and hardener selected aggregate filler allow Ferrorez 721 to flow through a standard grout box in less than a minute. Designed with excellent engineering properties, this product provides high bearing and ease of place ability. Ferrorez 721 was specially designed for applications of the grouting of large plates and narrow configurations especially in chemical spillage area.

### Advantages

- High flow.
- High adhesion.
- Vibration & chemical resistance.
- High compressive strength.

### Area of use

- Large or wide plates requiring precision grouting.
- Machinery, equipment or structural elements needing maximum bearing support.
- Rail grouting, keyways and inverted base plates.
- Narrow clearance situations including anchor bolts.

### Standards and compliances

Ferrorez 721 is manufactured under standard which conform to ASTM C109, ASTM C882

## Physical properties

Properties	Value
Colour	Component A : Clear Component B : Clear Component C : Gray
Density (A+B+C)	approx. 2 kg./litre
Drying time 20 °C (start)	approx. 2 hour
(Pot Life) 30 °C	approx. 60 minutes
Full cure	7 days

## Technical properties

Properties	Values	Standards
Compressive Strength (kgf/cm <sup>2</sup> ) at 1 day at 3 days at 7 days at 28 days	482 626 677 745	ASTM C109
Bonding Strength by slant shear (kgf/cm <sup>2</sup> ) at 7 days at 28 days	196 199	ASTM C882

## Method statement

## Ferrorez 721

### Step 1 Surface Preparation

Surface preparation concrete must clean and free of dirt, grease, paint, debris mortar and other debris hinders adhesion. No need to use a primer.

### Step 2 Mixing

- Mix A : B : C = 2 : 1 : 15 by weight (Packing A = 1.34 kg B = 0.66 kg.) 12 kg./set (A+B+C).
- Mix A and B drill with a low around 300-600 rpm./min for about 15 seconds then pour the mix C (Powder) gradually into the mixture A and B with a long drill spin 30 seconds longer, until a homogeneous.

### Step 3 Pouring

Strength check and leakage of model base plate welded to be poured the grout. Ensure that air can flow through to easily. If you want to pour thicker than 4 cm. should pour 2 times by first layer dry before.

## Limitations/Cautions

- Wear protective gloves and eyes glasses when handling epoxies.
- Do not use frozen rather than concrete.
- Store material at room temperature before use.
- Grout should be placed at ambient temperatures of 40-90 oF (4-32 °C)
- Rate of strength gain is significantly affected at temperature extremes.
- The value and techniques are just guidelines, not only can be used to confirm in a quality audit criteria. The customer is to be put to the test and agreed to prior to a decision ordering the goods.

## Technical support

Customers can contact the sales department of the company at [sale@ferroproduct.co.th](mailto: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

2 kg./litre

## Package

12 kg./set (A+B+C)

## 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 721 is composed of Epoxy 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

12 kg./set (A+B+C)  
Code FG-IC-8858915272003  
component A = 1.34 kg.  
component B = 0.66 kg.  
component C = 10 kg.

\*All the images in the data reproduction or duplication of copyrighted by Ferro Construction Products Products co.,ltd. is prohibited by Act. Copyright protection 2015.

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](mailto:sale@ferroproduct.co.th).



**ISO 9001 & ISO 14001**



**FERRO CONSTRUCTION PRODUCTS CO.,LTD.**

144 M.1 Malaiman Rd. Tungkok, Songphinong, Suphanburi 72110,  
Thailand

Tel. : +66-35-473877-8 Fax : +66-35-473879

E-Mail : [sale@ferroproduct.co.th](mailto:sale@ferroproduct.co.th)