



# Ferroplug 519

## RAPID SETTING HYDRAULIC CEMENTITIOUS WATERPLUG



Ferroplug 519 is the cementitious waterplug with rapid setting when contact with water. It is made of cement, sand, and the chemical additive that accelerate formation to enhance the efficiency to stop water leakage within 30-60 seconds. It is non-shrink after dried with high adhesive strength on the concrete surface. It is suitable to stop water pressure or seepage leaks from concrete wall and floor in swimming pool, foundation, tunnels, dams, culverts.

### Advantages

- Fast-Setting within 30-60 second.
- Water pressure resistance.
- High compressive strength and non-shrink.

### Area of use

- Leaking holes in the buildings.
- Basement.
- Water tank.
- Swimming pool.

### Standards and compliances

Ferroplug 519 is manufactured under standard meets to ASTM C109

## Physical properties

Properties	Values
General Characteristics	Powder
colour	Gray
Size of fine particles, mm.	Approx. 0-0.5 mm.
Density (Dry), kg./litre	Approx. 1.2+0.1 kg./litre

## Technical properties

Properties	Values
Compressive strength 28 days, MPa	Approx. 35 MPa.
Setting time (30 °C), seconds	Approx. 30-60 seconds

## Method statement

## Ferroplug 519

### Step 1 Surface Preparation

- The concrete surface around the water leaking hole must be clean without dirt or oil.
- The leak must be enlarged into U shape with at least 2 cm. depth.

### Step 2 Mixing

Mix Ferroplug 519 into the bucket with water. Stir to make it thick within 10 seconds. Mold to make round lump for at least 1 time larger than the hole. Fill Ferroplug 519 into the hole and press for at least 30 seconds until it is solidified. In case of large water leak, fill around the edge to make hole smaller before fill in the middle.

### Limitations/Cautions

- It is recommended to mix Ferroplug 519 in small amount (200-300 g.) because a fast setting during mixing.
- Seal back tightly after use.

## 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

1.7 kg./litre

## Package

1 kg./can  
5 kg./bag  
20 kg./pail

## Cleaning tools

Should wash with water immediately before dry cement adhere to the mixing tool.  
Use the mechanical extraction if the dried mortar residue is adhered to tool.

## Storage

- 1 year
- 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

Ferroplug 519 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./can  
Code FG-IC-8858915255044
- 5 kg./bag  
Code FG-IC-8858915255051
- 20 kg./pail  
Code FG-IC-8858915255068

\*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)