



# Ferrocem 528

**ANTI-FUNGUS FLOWABLE TILE GROUT  
FOR NARROW JOINT WIDTH 0.2-3 MM.**



Ferrocem 528 is a cement types horizontal flow for a very small grooved tile in the flooring (0.2-3 mm.) mix substance protection against black fungus and bacteria manufacturer from portland cement, silica powder and special chemicals. Enhancement grout prevent disintegration or cracked. Ferrocem 528 suitable for floor and wall of large tiles that groove is very narrow such as granito use both inside and outside the building.

## Advantages

- Flowable.
- Anti-Fungus.
- Labour save.
- High adhesion.

## Area of use

- Floor and wall tiles granito.
- Floor and wall marble.
- Floor and wall granite.

## Standards and compliances

Ferrocem 528 is manufactured under standard meets to  
ISO 13007 - 4 : 2013 (E), CG-2

## Physical properties

Properties	Value
General characteristics	Powder
Colour	White, Light cream NO.0821, Orange brick NO.0865
Density, kg./litre	Approx. 1.37 kg./litre

## Technical properties

Properties	Values	CG-1 Standard
High abrasion resistance, mm <sup>2</sup>	Approx. < 1000 mm <sup>2</sup>	EN 13007-3
Flexural strength under standard condition, N/mm <sup>2</sup>	Approx. > 2.5 N/mm <sup>2</sup>	EN 13007-3
Compressive strength under standard condition, N/mm <sup>2</sup>	Approx. > 15 N/mm <sup>2</sup>	EN 13007-3
Shrinkage, mm./m.	Approx. < 3 mm./m.	EN 13007-3
Water absorption after 30 minutes, g.	Approx. < 2 g.	EN 13007-3
Water absorption after 4 hrs, g.	Approx. < 5 g.	EN 13007-3

## Method statement

## Ferrocem 528

### Step 1 Surface Preparation

- Should start grouting after tiling with tile adhesive cement then 24 hour so that there is sufficient adhesion tiles and trampled on a walk.
- Check groove grout blow dust or cleaning clean tiles not free of clogging, oil stain, dirt and dust so that the grout has a good adhesion.

### Step 2 Mixing

- By weighing (Water 33%) : water mixing ratio of approx 330 g.  
: Tile Grout 1 bag (1 kg.) \*Weighing more accurate measure would be effective.
- By volume : powder mixing grout 3 cups (not tap) : Clean water 1 cup

#### Mixed order

Prepare clean water and pour into mixing container first. Then pour cement grout into to reduce lumps.



## How to mix

Mixing by hand by slowly stirring the mixture until reach homogeneous. Left the mixture cure 3-5 minutes then urge by stirring again and start a patching works on tile joint. In case of big batch mixing, it is recommended to mix by using electrical driller and plan the work to suit the number and duration of the joint. Grout should be used in 10-20 minutes, while it should be stirring periodically.

## Step 3 Using

Tiles joint must be dry, clean, no debris on the tiles.

It is recommended to start tile grout works at least 24-48 hour after ceramic tile installation is done. Bring a tile grout mixture patch into a prepared joint with rubber trowel. Try to patch in 60 degree angle to tile joint and wipe the laitance off the tile surface with moistened cloth 2-4 hour after the grout has dried. Left dried 1-3 day before light traffic. Do not clean with any detergent at the early curing stage (until 28 day). Application temperature should be between 20-35 °C.

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## Limitations/Cautions

- Do not use grout in concentrated chlorinated water or concentrated brine.
- Weighing a more accurate to be more precise dosing. Mixing too much water will cause color distortion and decreased compressive strength.
- Grout that is mixed and then start hard (20 minutes) Do not water again.

## 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

Coverage by approx.

Tile size (cm.)	Groove size tiles (mm.)	Tile grout 1 kg. has the area. approx. (m²)
30 x 30	0.2	45
	0.5	17
	1	7
	2	5
	3	3
*Depth groove tiles 8 mm.		
60 x 60	0.2	90
	0.5	35
	1	17
	2	7
	3	5
*Depth groove tiles 8 mm.		

\*Note : The depth groove tiles average of 8-10 mm. consumption true should be test of a groove before actually buying in bulk.

## Package

1 kg./bag

## Cleaning tools

Wash with clean water before tile grout hardens.

Use the mechanical extraction if the grout has dried and adhere to the tools.

## 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

Ferrocem 528 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

- 528/1 White (1 kg./bag)  
Code FG-5IC-8858915255556
- 528/1 Light cream No.0821 (1 kg./bag)  
Code FG-5IC-8858915255747
- 528/1 Orange brick No.0865 (1 kg./bag)  
Code FG-5IC-8858915255778

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



**ISO 9001 & ISO 14001**



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