



Ferrocem 526

**ANTI-FUNGUS CEMENTITIOUS TILE GROUT
FOR GAP 1-6 MM.**



Ferrocem 526 is a high quality cementitious tile grout with anti-fungus additives, made of cement, fine powder quartz sand, special polymer and additives to enhance an adhesion strength, flexibility, low water absorbtion and decrease a embeded of dirty stain. Ferrocem 526 is suitable for tile grout application in toilet and kitchen both wall and floor.

Advantages

- No black mold stain on grout line because of an active anti- fungus additives in Ferrocem 526
- Low hair line crack because of a high polymer content.
- Clean joint by hydrophobic additive.
- Resist to mild detergent solution.

Standards and compliances

Ferrocem 526 is manufactured under standard meets to ASTM C109/C109M-01

Area of use

- Floor and bathroom walls.
- Floor and kitchen wall.
- Inside and outside the building.
- Balcony, corridor, car park.
- Use grout for ceramic tile, slate, glass block, clay tile granite, natural stone.
- Grout swimming pool (Mixed Ferrobond 111 instead of water).
- Grout public floor tile (Mixed Ferrobond 111 instead of water).

Physical properties

Properties	Value
Appearance	Powder
Density, kg./litre (Approx.)	1.37 kg./litres

Technical properties

Properties	Values	Standards
Compressive strength, MPa. (Approx.) - At 7 days - At 28 days	13.77 MPa. 14.45 MPa.	ASTM C109/ C109M-01
Flexural strength at 28 days, MPa. (Approx.)	4.73 MPa.	ASTM C 348-02
Bond strength to concrete at 28 days, MPa. (Approx.)	0.69 MPa.	ASTM C 952-02
Drying shrinkage at 28 days, % (Approx.)	-0.30%	ASTM C 596-01

Method statement

Ferrocem 526

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 32-35%) : water mixing ratio of approx 320-350 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 strirring 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 moisted 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.

Limitations/Cautions

- Avoid adding more water after the tile grout begin to cure (20 min.) because this will create a fade colour, efflorescence and low adhesion strength.
- It is recommended to pour Ferrocem 526 into water. Not a water into powder (Ferrocem 526).
- Should design joint width at least 1.5 mm. in wall joint and 3 mm. in floor joint.
- Avoid working in strong sun & windy condition. Do not apply tile grout upon hot surface move than 40 °C
- In case of a high absorbtion or porous tile grouting, it is recommended to coat all tile surface esp. sides with water repellant resin (Ferosurf 613) before starting grouting works on order to avoid the clay colour from ceramic tile spread into tile grout adhesive and make a contaminate colour on tile grout.

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

Coverage by approx.

Tile size	10 x 10 CM.	20 x 20 CM.	30 x 30 CM.	40 x 40 CM.
Groove size tiles.	kg./m2	kg./m2	kg./m2	kg./m2
1 mm.	0.10	0.05	0.035	0.025
2 mm.	0.20	0.10	0.07	0.05
3 mm.	0.30	0.15	0.10	0.08
4 mm.	0.40	0.20	0.14	0.10
5 mm.	0.50	0.25	0.17	0.13
6 mm.	0.60	0.30	0.20	0.15

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 526 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

- 526/1 White No.0810 (1 kg./bag)
Code FG-5IC-8858915255563
- 526/1 Light gray No.0871 (1 kg./bag)
Code FG-5IC-8858915215024
- 526/1 Medium gray No.0872 (1 kg./bag)
Code FG-5IC-8858915215031
- 526/1 Dove gray No.0874 (1 kg./bag)
Code FG-5IC-8858915215048
- 526/1 Dark gray No.0879 (1 kg./bag)
Code FG-5IC-8858915215055
- 526/1 Egg shell No.0860 (1 kg./bag)
Code FG-IC-8858915215055
- 526/1 Cream white No.0823 (1 kg./bag)
Code FG-5IC-8858915215079
- 526/1 Cream pink No.0822 (1 kg./bag)
Code FG-5IC-8858915215086
- 526/1 Light cream No.0821 (1 kg./bag)
Code FG-5IC-8858915215093
- 526/1 Medium cream NO.0820 (1 kg./bag)
Code FG-5IC-8858915255631



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- 526/1 Yellow No.0827 (1 kg./bag)
Code FG-5IC-8858915215116
- 526/1 Brown pink No.0864 (1 kg./bag)
Code FG-5IC-8858915215123
- 526/1 Pink No.0853 (1 kg./bag)
Code FG-5IC-8858915215130
- 526/1 Dark pink No.0852 (1 kg./bag)
Code FG-5IC-8858915215147
- 526/1 Red No.0857 (1 kg./bag)
Code FG-5IC-8858915215154
- 526/1 Orange red No.0862 (1 kg./bag)
Code FG-5IC-8858915215161
- 526/1 Earth brown No.0867 (1 kg./bag)
Code FG-5IC-8858915215178
- 526/1 Orange No.0868 (1 kg./bag)
Code FG-5IC-8858915215185
- 526/1 Light green No.0831 (1 kg./bag)
Code FG-5IC-8858915215192
- 526/1 Medium green No.0832 (1 kg./bag)
Code FG-5IC-8858915215208
- 526/1 Jade green No.0835 (1 kg./bag)
Code FG-5IC-8858915215215
- 526/1 Dark green No.0839 (1 kg./bag)
Code FG-5IC-8858915215222
- 526/1 Orange brick No.0865 (1 kg./bag)
Code FG-5IC-8858915215239
- 526/1 Light purple No.0880 (1 kg./bag)
Code FG-5IC-8858915215246
- 526/1 Light blue No.0840 (1 kg./bag)
Code FG-5IC-8858915215253
- 526/1 Medium blue No.0841 (1 kg./bag)
Code FG-5IC-8858915215260
- 526/1 Pool blue No.0846 (1 kg./bag)
Code FG-5IC-8858915215277
- 526/1 Dark blue No.0845 (1 kg./bag)
Code FG-5IC-8858915215284
- 526/1 Purple blue No.0842 (1 kg./bag)
Code FG-5IC-8858915215291
- 526/1 Dark purple No.0848 (1 kg./bag)
Code FG-5IC-8858915215314

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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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