



No. 0307/ **2676**

To Ferro Construction Product Co., Ltd.

The Department of Science Service presents the test report for the sample named "Ferroseal 313 Acid-Resistant Epoxy Grout for Ceramic Tile" Laboratory No. L61/00603.1 as the total of 1 sample with reference to the request No. L61/00603 dated 26 January 2018.

Enclosed herewith the following result avails for your acknowledgement.



Division of Engineering Materials

Tel. 0 2201 7130

Fax 0 2201 7127

E-mail : physics@dss.go.th



## TEST REPORT

### Sample's name

Ferroseal 313 Acid-Resistant  
Epoxy Grout for Ceramic Tile

### Mark / Brand

Ferro

### Laboratory No.

L61/00603.1

### Test Results

Compressive strength at 7 days, MPa	49.88
Bond strength by slant shear at 7 days, MPa	16.50
Flexural strength at 7 days, MPa	26.72

### Customer's name

Ferro Construction Product Co., Ltd.

### Customer's address

144 Moo 1, Malaiman Road, Thungkok, Songphinong, Suphanburi  
72110

### Sample's description

Part A : white solid, Part B : clear liquid

### Test date

31 January 2018 – 16 February 2018

### Test method

1. Compressive strength : ASTM C109/C109M – 02
2. Bond strength by slant shear : ASTM C882 – 99
3. Flexural strength : ASTM C348 - 02

### Approved by

*Anon Pomprasit*

(Mr. Anon Pomprasit)

Scientist, Senior Professional Level

### Reported by

*Nantharat Niumpan*

(Miss. Nantharat Niumpan)

Scientist, Practitioner Level

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No. 0307/ **6679**

To Ferro Construction Product Co., Ltd.

The Department of Science Service presents the test report for the sample named "Ferroseal 313 Acid - Resistant Epoxy Grout for Ceramic Tile" Laboratory No. L61/02367.1 as the total of 1 sample with reference to the request No. L61/02367 dated 27 March 2018.

Enclosed herewith the following result avails for your acknowledgement.



Division of Engineering Materials

Tel. 0 2201 7130

Fax 0 2201 7127

E-mail : physics@dss.go.th



Department of Science Service

## TEST REPORT

Department of Science Service

Sample's name

Mark / Brand

Laboratory No.

Ferroseal 313 Acid - Resistant

-

L61702367.1

Epoxy Grout for Ceramic Tile

Department of Science Service

## Test Results

Department of Science Service

Chemical resistance : Spot Test, Covered -The reagent

is placed on the test surface and immediately

covered with a watch glass at 24 hour

- Acetic acid 2.5 %

Not changed

- Acetic acid 10 %

Not changed

- Lactic acid 2.5 %

Not changed

- Lactic acid 10 %

Not changed

- Oleic acid 100 %

Not changed

- Sulfuric acid 50 %

Not changed

- Hydrochloric acid 5 %

Not changed

- Citric acid solution 20 %

Not changed

- Nitric acid 70 %

Changed

- Sodium hypochlorite 6.4 g/L

Not changed

- Sodium hydroxide solution 2.5 %

Not changed

- Sodium hydroxide solution 10 %

Not changed

- Potassium hydroxide solution 30 %

Not changed

- Ammonia solution 30 %

Not changed

- Potassium sulphate solution 2.5 %

Not changed

- Ammonium sulphate solution 10 %

Not changed

- Sodium chloride solution 10 %

Not changed

- Potassium chloride solution 10 %

Not changed

- Ammonium chloride solution 10 %

Not changed

- Benzene oil

Not changed

- Diesel oil

Not changed

- Engine oil

Not changed

Jaroon

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Department of Science Service, Ministry of Science and Technology

Rama VI Road, Ratchathewi, Bangkok 10400, Thailand

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Laboratory No. L61/02367.1

Customer's name Ferro Construction Product Co., Ltd.  
Customer's address 144 Moo 1, Malaiman Road, Tungkok Sub-district, Songphinong  
District, Suphanburi Province 72110  
Sample's description White sheet size : 9 cm width x 9 cm length  
Test date 25 April 2018  
Test method ASTM D1308 - 02(2013)

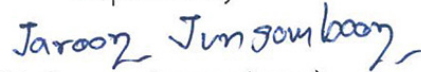
Approved by



(Mr. Anon Pomprasit)

Scientist, Senior Professional Level

Reported by



(Mr. Jaroon Junsomboon)

Scientist, Senior Professional Level

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