



No. 0307/ **11650**

To FERRO CONSTRUCTION PRODUCTION CO., LTD

The Department of Science Service presents the test report for the sample named "FERROSEAL 311 ONE PART HYBRID POLYMER SEALANT FOR FLOOR & WALL CONCRETE JOINT" Laboratory No. L63/06249.1 as the total of 1 sample with reference to the request No. L63/06249 dated 8 July 2020

Enclosed herewith the following result avails for your acknowledgement.

Department of Science Service



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

FERROSEAL 311 ONE PART HYBRID
POLYMER SEALANT FOR FLOOR &
WALL CONCRETE JOINT

Mark / Brand

FERRO

Laboratory No.

L63/06249.1

Department of Science Service

Test Result

Tensile strength, MPa 2.8
Elongation at break, % 707

Customer's name FERRO CONSTRUCTION PRODUCTION CO., LTD

Customer's address 144 Moo 1, Malaiman Road, Tungkok Songphinong, Suphanburi 72110

Sample's description Gray viscous liquid stored in an aluminium foil tube

Department of Science Service



Test date 10 - 17 July 2020

Test method ASTM D412-16, Die C

Remark Test pieces of tensile strength and elongation at break were cured at
(23 ± 2)°C, (50 ± 10) %RH for 7 days.

Department of Science Service

Approved by

Orawan Pinprayoon

(Miss Orawan Pinprayoon)

Scientist, Senior Professional Level

Reported by

Pawadee Sriyota

(Miss Pawadee Sriyota)

Scientist

Department of Science Service

This report is only valid for the sample received. The above statement is not intended for advertising purposes and shall not be partially reproduced or manifested without the written permission from the Department of Science Service.

Department of Science Service, Ministry of Higher Education Science Research and Innovation

Rama VI Road, Ratchathewi, Bangkok 10400, Thailand



No. 0307/ **13939**

To FERRO CONSTRUCTION PRODUCTION CO., LTD.

The Department of Science Service presents the test report for the sample named "FERROSEAL 311 ONE PART HYBRID POLYMER SEALANT FOR FLOOR & WALL CONCRETE JOINT" Laboratory No. L63/06248.1 as the total of 1 sample with reference to the request No. L63/06248 dated 8 July 2020.

Enclosed herewith the following result avails for your acknowledgement.

Department of Science Service



Division of Engineering Materials

Tel. 0 2201 7130

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E-mail : physics@dss.go.th



TEST REPORT

Sample's name

FERROSEAL 311 ONE PART HYBRID
POLYMER SEALANT FOR FLOOR &
WALL CONCRETE JOINT

Mark / Brand

FERRO

Laboratory No.

L63/06248.1

Test Results

Hardness, Shore A	35
Tensile strength, MPa	8.3
Elongation at break, %	258
Tensile stress at 100% elongation, MPa	4.3
Peel strength, N/25 mm in width	
- Mortar	59.7
- Aluminium	110.2
Heat resistance at 70°C for 21 days	
- Weight loss, %	0.9
- Cracking	Not found
Tack free time, min	60

Paradee Sriyota

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Department of Science Service, Ministry of Higher Education Science Research and Innovation

Rama VI Road, Ratchathewi, Bangkok 10400, Thailand

Laboratory No. L63/06248.1

Customer's name FERRO CONSTRUCTION PRODUCTION CO., LTD.

Customer's address 144 Moo 1, Malaiman Road, Tungkok, Songphingong, Suphanburi 72110

Sample's description Gray viscous liquid stored in an aluminium foil tube



Test date 10 July – 31 August 2020

Test method

1. Hardness : ASTM C661-15
2. Tensile strength and elongation at break : ASTM D412-16, Die C
3. Tensile stress at 100% elongation : ASTM D412-16, Die C
4. Peel strength : ASTM C794-15a
5. Heat resistance : ASTM C1246-17
6. Tack free time : ASTM C679-15

Remark Test pieces of tensile strength, elongation at break and tensile stress at 100% elongation were cured at $(23 \pm 2)^{\circ}\text{C}$, $(50 \pm 10) \% \text{RH}$ for 21 days.

Approved by

Orawan Pinprayoon

(Miss Orawan Pinprayoon)

Scientist, Senior Professional Level

Reported by

Pawadee Sriyota

(Miss Pawadee Sriyota)

Scientist

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