

TEST REPORT

REPORT NO : 2015CB1361

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Applicant : MEG MANUFACTURING SDN. BHD.
No.2, Jalan 1M 316, Kawasan Perindustrian 1M3,
Bandar Indera Mahkota,
25200 Kuantan,
Pahang Darul Makmur.

Manufacturer : MEG MANUFACTURING SDN. BHD.

Product : 1-P Polyurethane Liquid Membrane

**Reference Standard/
Method of test** : 1) ASTM D 412 - 06a (2013)
Standard Test Methods for Vulcanized Rubber and Thermoplastic
Elastomers – Tension.
2) *BS EN 13580 : 2002,
Products and systems for the protection and repair of concrete
structures - Test methods - Water Absorption and resistance to alkali for
hydrophobic impregnations.
3) ASTM D 4541 : 2002
Standard Test Method for Pull – Off Strength of Coatings Using Portable
Adhesion Testers

Description of sample : The following items were received for testing.
a) Three (3) sheets of membrane of tesonproof (30 cm x 30 cm)
b) Three (3) pieces of treated concrete cube coated with tesonproof & three
(3) pieces of untreated concrete cube (100 mm x 100 mm x 100 mm)
c) One (1) piece of concrete slab coated with tesonproof (400 mm x 300 mm
x 40 mm)
Brand : TESON
Model : TW 171 TESONPROOF

**Date Received of
Complete Application** : 30th June 2015

Job no./Ref. no. : J20151431198/SQAS/CCST/T.REC/CSL/01

**Description of test
results** : The test results of the submitted test samples are described in Page 2,3 & 4
of this test report.

Issued date : 08 SEP 2015

Approved Signatories



(HANON NAZIR MOHD BASIR)
Testing Executive



(YM RAJA NOR SIHA RAJA ABD. HANAN)
Head
Civil & Construction Section
Testing Services Department

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TEST RESULTS:

Product : 1-p polyurethane liquid membrane
 Model : TW 171 TESONPROOF
 Method of Test : ASTM D 412 - 06a (2013)
 Standard Test Methods for Vulcanized Rubber and Thermoplastic
 Elastomers – Tension.

NO.	TYPE OF TEST METHODS	TEST RESULT
1.	Determination of tensile strength	1) 0.32 N/mm ² 2) 0.31 N/mm ² 3) 0.32 N/mm ² 4) 0.48 N/mm ² 5) 0.21 N/mm ² 6) 0.26 N/mm ² 7) 0.29 N/mm ² Mean : 0.31 N/mm²
2.	Determination of elongation	1) 868.4 % 2) 969.6 % 3) 903.6 % 4) 980.0 % 5) 860.0 % 6) 692.0 % 7) 892.0 % Mean : 880.8 %

08 SEP 2015



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TEST RESULTS:

Product : 1-p polyurethane liquid membrane
Model : TW 171 TESONPROOF
Method of Test : BS EN 13580: 2002,
Products and systems for the protection and repair of concrete structures – Test methods – Water Absorption and resistance to alkali for hydrophobic impregnations.

NO.	TYPE OF THE METHODS	TEST RESULT
1.	<u>Water Absorption</u> Absorption ratio %, compared with the treated and untreated specimen	1) 1.56 % 2) 1.33 % 3) 1.32 % Mean: 1.40 %

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TEST RESULTS:

Product : 1-p polyurethane liquid membrane
Model : TW 171 TESONPROOF
Method of Test : ASTM D 4541: 2002
Standard Test Methods for Pull-Off Strength of Coatings Using Portable Adhesion Tester

NO.	TYPE OF THE METHODS	TEST RESULT
1.	Pull-Off Strength of Coatings Using Portable Adhesion Tester	<u>Pull Off Strength</u> 1) 0.71 N/mm ² 2) 0.53 N/mm ² 3) 0.59 N/mm ² 4) 0.53 N/mm ² 5) 0.64 N/mm ² Mean : 0.60 N/mm²

08 SEP 2015

