

2-component flexible waterproofing for any wet areas and swimming pools in high-rise buildings

weber.dry top



To waterproof before tiling in any wet areas subjected to movement



Resist to water pressure up to 30 m depth



Flexible, resist to micro cracking



Easy to use by rendering trowel



Resist to hard water and chlorinated water



Non-toxic



Low VOCs

PRODUCT DESCRIPTION

weber.dry top is two-component flexible waterproofing product to waterproof before tiling in swimming pools, water tanks, terraces, balconies, bathrooms, and any wet areas where subjected to structural movement

● **PACKAGING:** 4.5 kg and 23 kg bucket

● **COLOR:** grey powder + milky white liquid

● **COVERAGE:** average 2.25 m²/4.5 kg bucket
average 11.5 m²/23 kg bucket

APPLICATION

SUBSTRATE PREPARATION

1. Substrate should be sound, level, clean without any oil and dirt
2. Make good any unsound areas before the application of **weber.dry top**
3. For new render or screed, it should be fully cured at the rate of 7 days per 1 cm thickness before the application
4. Dampen the surface with clean water until reaching its saturated point before applying **weber.dry top**

MIXING

1. Put liquid part in mixing bucket
2. Gradually add powder part with the ratio of 1:2.25 (liquid : powder) by volume
3. Mix by using slow speed (500 rpm) electric mixer until obtain homogeneous lump-free paste
4. Leave for 3 – 4 minutes for chemical curing

WATERPROOFING

- Place **weber.tape BE 14** reinforcing tape along the angels or joints by using **weber.dry top** as the adhesive, ensure of no bubbles underneath.
- There are 2 possibilities to apply **weber.dry top**;
 - 1) Use rendering trowel to apply 1st layer of **weber.dry top** on the substrate, make sure of overall covering. And then render 2nd coat fresh on fresh. OR
 - 2) Make scratch layer (press firmly the trowel) on the substrate to cover pinholes. And then use U9 notched trowel to apply the **weber.dry top**, smooth the notches to get flat layer.

SHELF LIFE AND STORAGE

One year after manufacturing date when stored unopened in dry and ventilated place. Store airtight in dry and ventilated conditions if remained in opened gallon and bucket

TECHNICAL DATA

Type	Flexible waterproof
Appearance - Part A - Part B	Two components - Grey powder - Milky-like liquid
Powder density (Part A)	1.26 g/cm ³
Specific gravity (Part B)	1.02
Crack bridging	> 1.00 mm (in dry condition) > 0.75 mm (after contact with water)
Crack covering ability	2.5 mm
Bond to concrete	0.99 N/mm ²

Remark: These test results are from laboratory test. They could be slightly different from on-site results because of the differences in applications and conditions

CERTIFIED STANDARD

International/European standard	Standard	Result
Waterproofing property JIS A 1404	No leakage: 3 bars @2mm, 28 days	Pass
Initial tensile adhesion strength EN 14891 – A.6.2:2007	≥ 0.5 N/mm ²	0.83 N/mm ²
Tensile adhesion strength after heat aging EN 14891 – A.6.5:2007	≥ 0.5 N/mm ²	0.66 N/mm ²
Tensile adhesion strength after contact with lime water EN 14891 – A.6.9:2007	≥ 0.5 N/mm ²	0.66 N/mm ²

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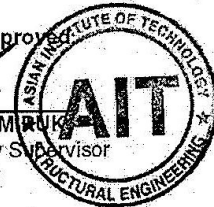
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STRUCTURAL ENGINEERING LABORATORY**STRUCTURAL ENGINEERING AND CONSTRUCTION PROGRAM****SCHOOL OF CIVIL ENGINEERING****TYPE OF TEST:** PERMEABILITY TEST IN ACCORDANCE WITH JIS A 1404**TEST SPECIMEN:** One(1) specimen of cylindrical concrete having a 150 mm. in diameter and 40 mm. in thickness were given by the client. All specimens were coated with the waterproof material with "weber.dry top".**CLIENT:** Saint Gobain Weber Company Limited**DATE OF TEST:** October 21, 2008**TEST MACHINE:** The Mortar Permeability Test Apparatus: CH-15.**TEST RESULTS:**

Specimen Name	Oven Dry Weight of Specimen (g.)	Weight of Specimen After Tested (g.)	Weight of Permeated Water (g.)	Depth of Water Penetration (mm.)	Penetrated Area (m ²)	Coefficient of Permeability K _w (m ²)	Coefficient of Water Permeability K _w [*] (m/s)
Weber.dry top	1,900.40	1,900.90	0.50	0.00	0.001963	0.00E+00	0.00E+00

Note: All specimens were tested under the application of 3.0 kg./cm² hydraulic pressure for 1 hour.

Checked and Approved


DR. SUN SAYAMRUEK
Senior Laboratory Supervisor
October 28, 2008

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STRUCTURAL ENGINEERING LABORATORY

STRUCTURAL ENGINEERING FIELD OF STUDY

SCHOOL OF ENGINEERING AND TECHNOLOGY

TYPE OF TEST: INITIAL ADHESION STRENGTH

TEST SPECIMEN: Ten (10) specimens of "weber dry top" having a size of 50 x 50 x 2 mm. were prepared in the SE laboratory. The mix proportion of "weber dry top" is 78 g. of powder form to 22 g. of liquid resin by weight.

CLIENT: SAINT - GOBAIN WEBER CO., LTD.

DATE OF TEST: February 26, 2013

TEST METHOD: After finish the preparation, the test units were placed in standard conditions for 27 days. Bond the pull head plate to the tile with the high strength epoxy and keep the test units for a further 24 hour in standard condition. Determine the tensile adhesive strength.

TEST RESULTS:

Specimen No.	Width of Specimen (mm.)	Length of Specimen (mm.)	Area (mm ²)	Maximum Load (N.)	Tensile Adhesion Strength (N/mm ²)	Remarks
1	50	50	2,500	2,550	1.02	Cohesive failure within the adhesive
2	50	50	2,500	2,305	0.92	Cohesive failure within the adhesive
3	50	50	2,500	2,383	0.95	Cohesive failure within the adhesive
4	50	50	2,500	2,648	1.06	Cohesive failure within the adhesive
5	50	50	2,500	2,520	1.01	Cohesive failure within the adhesive
6	50	50	2,500	2,207	0.88	Cohesive failure within the adhesive
7	50	50	2,500	2,471	0.99	Cohesive failure within the adhesive
8	50	50	2,500	2,677	1.07	Cohesive failure within the adhesive
9	50	50	2,500	2,579	1.03	Cohesive failure within the adhesive
10	50	50	2,500	2,354	0.94	Cohesive failure within the adhesive
Average					0.99	

Note: This report certifies the adequacy and representative character of the test sample(s) only.

TESTED BY:

MR. APIRAK POORAT
TECHNICIAN

CHECKED BY:

MR. EKKACHAI YOOPRASERTCHAI
RESEARCH ASSOCIATE

APPROVED BY:

DR. PENNUNG WARNITACHAI
LEADER OF CIVIL AND INFRASTRUCTURE
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May 17, 2013



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STRUCTURAL ENGINEERING LABORATORY

STRUCTURAL ENGINEERING FIELD OF STUDY

SCHOOL OF ENGINEERING AND TECHNOLOGY

TYPE OF TEST: INITIAL ADHESION STRENGTH (EN 14891:2004)

TEST SPECIMEN: Ten (10) specimens of Ceramic tile of size 50 x 50 x 5 mm. installed by using "weber.dry top." were prepared in the SE laboratory. The mix proportion of "weber.dry top." is 78 g. of powder form to 22 g. of liquid resin by weight.

CLIENT: SAINT - GOBAIN WEBER CO., LTD.

DATE OF TEST: January 26, 2013

TEST METHOD: After finish the preparation, the test units were placed in standard conditions for 27 days. Bond the pull head plate to the tile with the high strength epoxy and keep the test units for a further 24 hour in standard condition. Determine the tensile adhesive strength.

TEST RESULTS:

Specimen No.	Width of Specimen (mm.)	Length of Specimen (mm.)	Area (mm ²)	Maximum Load (N.)	Tensile Adhesion Strength (N/mm ²)	Remarks
1	50	50	2,500	2,207	0.88	Cohesive failure within the adhesive
2	50	50	2,500	2,109	0.84	Adhesive failure between tile and adhesive
3	50	50	2,500	2,040	0.82	Adhesive failure between tile and adhesive
4	50	50	2,500	2,383	0.95	Adhesive failure between tile and adhesive
5	50	50	2,500	1,991	0.80	Adhesive failure between tile and adhesive
6	50	50	2,500	2,216	0.89	Adhesive failure between tile and adhesive
7	50	50	2,500	1,912	0.76	Cohesive failure within the adhesive
8	50	50	2,500	1,991	0.80	Adhesive failure between tile and adhesive
9	50	50	2,500	1,834	0.73	Adhesive failure between tile and adhesive
10	50	50	2,500	1,991	0.80	Cohesive failure within the adhesive
Average					0.83	

Note: This report certifies the adequacy and representative character of the test sample(s) only.

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Doc. No. S00991-13

STRUCTURAL ENGINEERING LABORATORY

STRUCTURAL ENGINEERING FIELD OF STUDY

SCHOOL OF ENGINEERING AND TECHNOLOGY

TYPE OF TEST: ADHESIVE STRENGTH AFTER CONTACT WITH CHLORINATED WATER (EN14891:2004)

TEST SPECIMEN: Ten (10) specimens of Ceramic tile of size 50 x 50 x 5 mm. installed by using "weber.dry top " were prepared in the SE laboratory. The mix proportion of "weber.dry top " is 78 g. of powder form to 22 g. of liquid resin by weight.

CLIENT: SAINT - GOBAIN WEBER CO., LTD.

DATE OF TEST: March 5, 2013

TEST METHOD: After finish the preparation, the test units were placed in standard conditions for 28 days and stored in chlorine water for 7 days. Bond the pull head plate to the tile with the high strength epoxy and keep the test units for a further 24 hour in standard condition. Determine the tensile adhesive strength.

TEST RESULTS:

Specimen No.	Width of Specimen (mm.)	Length of Specimen (mm.)	Area (mm ²)	Maximum Load (N.)	Tensile Adhesion Strength (N/mm ²)	Remarks
1	50	50	2,500	1,599	0.64	Cohesive failure within the adhesive
2	50	50	2,500	1,893	0.76	Cohesive failure within the adhesive
3	50	50	2,500	1,530	0.61	Cohesive failure within the adhesive
4	50	50	2,500	1,334	0.53	Cohesive failure within the adhesive
5	50	50	2,500	1,687	0.67	Cohesive failure within the adhesive
6	50	50	2,500	1,942	0.78	Cohesive failure within the adhesive
7	50	50	2,500	1,481	0.59	Cohesive failure within the adhesive
8	50	50	2,500	1,550	0.62	Cohesive failure within the adhesive
9	50	50	2,500	1,814	0.73	Cohesive failure within the adhesive
10	50	50	2,500	1,618	0.65	Adhesive failure between tile and adhesive
Average					0.66	

Note: This report certifies the adequacy and representative character of the test sample(s) only.

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STRUCTURAL ENGINEERING LABORATORY

STRUCTURAL ENGINEERING FIELD OF STUDY

SCHOOL OF ENGINEERING AND TECHNOLOGY

TYPE OF TEST: ADHESIVE STRENGTH AFTER CONTACT WITH LIME WATER (EN14891:2004)

TEST SPECIMEN: Ten (10) specimens of Ceramic tile of size 50 x 50 x 5 mm. installed by using "weber.dry top " were prepared in the SE laboratory. The mix proportion of "weber.dry top " is 78 g. of powder form to 22 g. of liquid resin by weight.

CLIENT: SAINT - GOBAIN WEBER CO., LTD.

DATE OF TEST: March 5, 2013

TEST METHOD: After finish the preparation, the test units were placed in standard conditions for 28 days and stored in lime water(pH>12) at 40 °C for 7 days. Bond the pull head plate to the tile with the high strength epoxy and keep the test units for a further 24 hour in standard condition. Determine the tensile adhesive strength.

TEST RESULTS:

Specimen No.	Width of Specimen (mm.)	Length of Specimen (mm.)	Area (mm ²)	Maximum Load (N.)	Tensile Adhesion Strength (N/mm ²)	Remarks
1	50	50	2,500	2,059	0.82	Cohesive failure within the adhesive
2	50	50	2,500	1,638	0.66	Cohesive failure within the adhesive
3	50	50	2,500	1,432	0.57	Cohesive failure within the adhesive
4	50	50	2,500	1,569	0.63	Cohesive failure within the adhesive
5	50	50	2,500	1,785	0.71	Cohesive failure within the adhesive
6	50	50	2,500	1,942	0.78	Cohesive failure within the adhesive
7	50	50	2,500	1,897	0.68	Cohesive failure within the adhesive
8	50	50	2,500	1,402	0.56	Cohesive failure within the adhesive
9	50	50	2,500	1,471	0.59	Cohesive failure within the adhesive
10	50	50	2,500	1,481	0.59	Cohesive failure within the adhesive
Average					0.66	

Note: 1) This report certifies the adequacy and representative character of the test sample(s) only.
2) The test units were stored in lime water(pH>12) at room temperature.

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