



Anti-stain high performance tile grout ideal for external applications and the areas with high humidity



webercolor no stain



For 0.2-6 mm joint width



Anti-efflorescent and white stain



Anti black mold and fungus



For granito tiles, marble, granites and natural stones



Ideal for laying tiles in areas with high humidity



Low VOCs

webercolor no stain is anti-stain high performance tile grout with anti-fungus and anti-dirt properties for grouting external tiles and stones in the areas with high humidity like fountains, signboards, columns, stairs & steps, external floors and walls.

* Recommend to use together with anti-stain tile adhesive **webertai no stain**

- **PACKAGING:** 1 kg bag
- **COLOR:** white / grey
- **COVERAGE:** average 19 m²/1 kg bag (joint width 1 mm.)
- **APPLICATION**

Substrate preparation

- Properly clean the joints until free from any dirt to make sure of good bonding and color uniformity

Mixing

- Put clean water in mixing bucket
- Gradually add **webercolor no stain** into the water with the ratio of 1 : 2.5 by volume (1 part of water + 2.5 part of the grout) and mix until obtaining homogeneous lump-free paste
- Leave the mixture for 3 – 4 minutes for chemical curing
- The mixture of **webercolor no stain** can be used within 30 minutes after mixing when placing in shade

Grouting

- Use rubber trowel or grout trowel to diagonally fill up the joints.
- Wipe off excess grout with damp sponge before the grout sets.
- Leave for 2 hours and then clean tiles' surface with clean cloth
- Wait for 24 hours before traffic to ensure good bonding of the grout

● 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 bag

TECHNICAL DATA

Type	Cementitious grout
Density of powder	0.9 – 1.1 g/cm ³
Chemical curing time	3 – 4 minutes
Pot life (in shade)	30 minutes
Waiting time after tiling before grouting	24 hours
Recommended joint width	0.2 – 6 mm
Time before traffic	24 hours

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
Flexural strength under standard condition ISO 13007 part 4-4.1.3 or EN 12808-3	≥ 2.5 N/mm ²	7.13 N/mm ² (72.7 ksc)
Compressive strength under standard condition ISO 13007 part 4-4.1.4 or EN 12808-3	≥ 15.0 N/mm ²	25.26 N/mm ² (257.5 ksc)
Shrinkage ISO 13007 part 4-4.3 or EN 12808-4	≤ 3 mm/m	1.44 mm/m
Water absorption after 30 minutes ISO 13007 part 4-4.2 or EN 12808-5	≤ 5 g	0.61 g
Water absorption after 240 minutes ISO 13007 part 4-4.2 or EN 12808-5	≤ 10 g	0.92 g



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TEST RESULT SUMMARY

The sample in the trademark of "weber.color no stain" was submitted by the Saint-Gobain weber Co.,Ltd. The series of test and test methods were conducted on December 2, 2011 in accordance with European Norms (EN 13888: 2009) with details as follows:

Specification of cementitious grouts (CG)

Fundamental Characteristics			
Characteristics	Requirement	Test Method	Results
Flexural strength after dry storage	$\geq 2.5 \text{ N/mm}^2$	EN 12808-3	PASS
Compressive strength after dry storage	$\geq 15 \text{ N/mm}^2$	EN 12808-3	PASS
Shrinkage	$\leq 3 \text{ mm/m}$	EN 12808-4	PASS
Water absorption after 30 min	$\leq 5 \text{ g}$	EN 12808-5	PASS
Water absorption after 240 min	$\leq 10 \text{ g}$	EN 12808-5	PASS

Regarding to the testing results, it was found that the properties of "weber.color no stain" are conformed to European Norms (EN 13888: 2009) test methods as specified. These results certify the adequacy and representative character of test samples only.


 (Assoc. Prof. Dr. Veerasak Likhitrungsilp)

On Behalf of Head of Civil Engineering Department

Tested by : 
 (Dr. Boonchai Sangpetngam)



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Type of test : FLEXURAL STRENGTH TEST (EN 12808-3)

Test specimen : Three (3) specimens in prism shape were cast in the laboratory.
The mix proportioning of water to "weber.color no stain" ratio was 33% by weight.

Client : SAINT-GOBAIN WEBER CO., LTD.

Date of test : December 2, 2011


Test method : After mixing them thoroughly, the specimen was cast in the standard molds having a size of 40x40x160 mm.
The specimens are cured for 24 hours in molds, then stripped and cured in standard condition until conducting the test.

Test results : The flexural strength of specimens at the age of 28 days are shown as follows.

(The test results are good only for those specimens tested.)

Specimen No.	Width of Specimen, B (cm)	Thickness of Specimen, D (cm)	Length of Specimen (cm)	Maximum Load P (kgf)	Flexural Strength (ksc)	Remarks
1	4.05	4.02	16.0	306	70.1	The flexural strength, $S_f = 3 P l / (2 B D^2)$ where l (span length) is 10 cm. 1 kgf/cm ² = 0.0981 N/mm ²
2	4.06	4.05	16.0	315	71.0	
3	4.03	4.02	16.0	334	76.9	
				Average	72.7	Average flexural strength = 7.13 N/mm ²

Note: This results certify the adequacy and representative character of the test samples only.


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Type of test : COMPRESSIVE STRENGTH TEST (EN 12808-3)

Test specimen : Three (3) specimens in prism shape were cast in the laboratory.
The mix proportioning of water to "weber.color no stain" ratio was 33% by weight.

Client : SAINT-GOBAIN WEBER CO., LTD.

Date of test : December 2, 2011


Test method : After flexural test, the halves broken specimens were kept in standard condition until conducting the compression test.

Test results : The compressive strength of specimens at the age of 28 days are shown as follows.

(The test results are good only for those specimens tested.)

Specimen No.	Date of cast	Date of test	Age of Specimen (days)	Cross section area (cm ²)	Maximum Load (kgf)	Compressive Strength (ksc)	Remarks
1	4-Nov-2011	2-Dec-2011	28	16	4,300	268.75	1 kgf/cm ² = 0.0981 N/mm ² Average compressive strength of samples = 25.26 N/mm ²
2	4-Nov-2011	2-Dec-2011	28	16	3,730	233.125	
3	4-Nov-2011	2-Dec-2011	28	16	4,330	270.625	
					Average	257.5	

Note: This results certify the adequacy and representative character of the test samples only.


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Type of test : SHRINKAGE TEST (EN 12808-4)
 Test specimen : Three (3) specimens in prism shape were cast in the laboratory.
 The mix proportioning of water to "weber.color no stain" ratio was 33% by weight.
 Client : SAINT-GOBAIN WEBER CO., LTD.
 Date of test : December 2, 2011
 Test results : The shrinkage of specimens at the age of 28 days are shown as follows.

(The test results are good only for those specimens tested.)

Specimen No.	Initial Length (mm)	Final Length (mm)	Drying shrinkage of specimen (mm/m)
1	149.21	149.00	1.41
2	159.03	158.80	1.45
3	165.64	165.40	1.45

Note: This results certify the adequacy and representative character of the test samples only.


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Type of test : WATER ABSORPTION (EN 12808-5)
 Test specimen : Three (3) specimens in prism shape were cast in the laboratory.
 The mix proportioning of water to "weber.color no stain" ratio was 33% by weight.
 Client : SAINT-GOBAIN WEBER CO., LTD.
 Date of test : December 2, 2011
 Test results : the water absorption of specimens at the age of 28 days are shown as follows.

(The test results are good only for those specimens tested.)

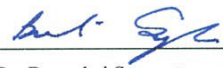
Specimen No.	Weight of dry specimen (g)	Weight of Specimen after immersion of 30 min (g)	Weight of Specimen after immersion of 240 min (g)	Water absorption after immersion of 30 min (g)	Water absorption after immersion of 240 min (g)
1	446.00	446.61	446.80	0.61	0.80
2	405.19	405.76	406.08	0.57	0.89
3	394.32	394.98	395.39	0.66	1.07

Note: This results certify the adequacy and representative character of the test samples only.


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