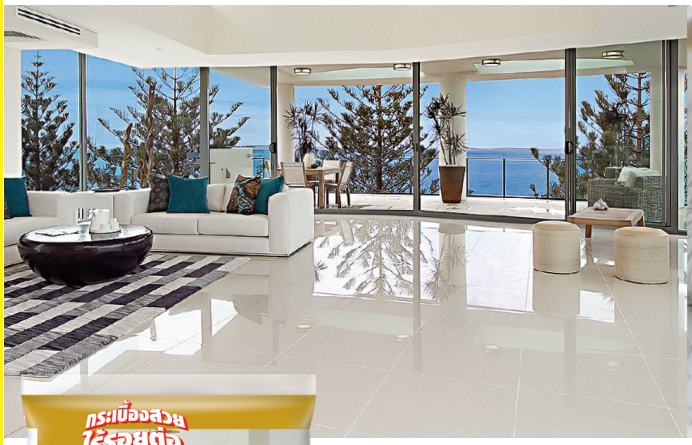

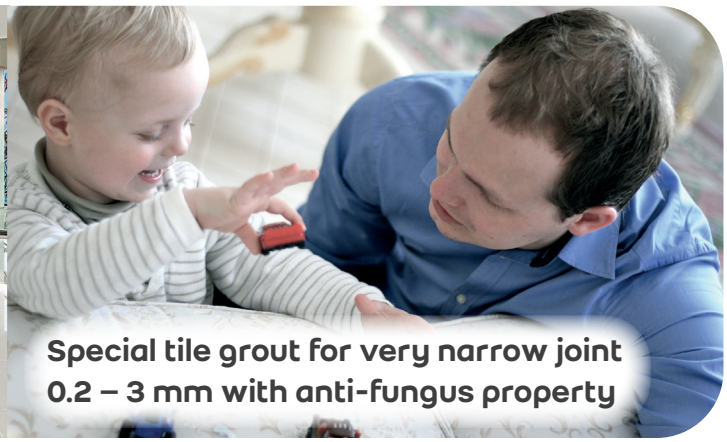

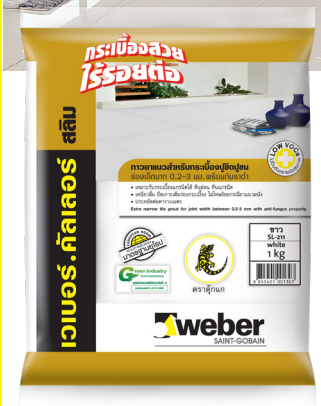

webercolor slim

- For joint witdth between 0.2-3 mm.
- For granitio tiles, marble and granites
- Anti black mold and fungus
- Low porosity: anti-dirt
- Green label
- Low VOCs

webercolor slim is special tile grout for very narrow joint width with anti-fungus and anti-dirt properties giving good bonding ideal for grouting floors and walls of large size tiles, granito tiles, marbles,and granites

- **PACKAGING:** 1 kg bag
- **COLOR:** 7 colors

SL-211 white	SL-214 light grey	SL-215 dark grey	SL-216 black
SL-221 cream	SL-252 light brown	SL-252 drak brown	

*These color presentations are as close as printing techniques permit.
It is recommended to use the actual grout presenter for final selection.

- **COVERAGE:** average 19 m^2/1 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 slim** 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 obting homogeneous lump-free paste
- Leave the mixture for 3 – 4 minutes for chemical curing
- The mixture of **webercolor slim** 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	0.85 – 0.95 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 – 3 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	4.80 N/mm^2 (48.92 ksc)
Compressive strength under standard condition ISO 13007 part 4-4.1.4 or EN 12808-3	≥ 15.0 N/mm^2	20.33 N/mm^2 (207.26 ksc)
Shrinkage ISO 13007 part 4-4.3 or EN 12808-4	≤ 3 mm/m	2.52 mm/m
Water absorption after 30 minutes ISO 13007 part 4-4.2 or EN 12808-5	≤ 5 g	0.97 g
Water absorption after 240 minutes ISO 13007 part 4-4.2 or EN 12808-5	≤ 10 g	1.45 g

American standard/ANSI A118.6 (Unsanded)		Standard	Result
Linear Shrinkage		< 0.30 %	0.21 %
Water Absorption		< 18 %	12 %
Compressive Strength	1 day	> 500 psi	1,986 psi
	28 day	> 3000 psi	4,322 psi
Tensile Strength	28 day	> 250 psi	515 psi
Flexural Strength	28 day	> 500 psi	1,188 psi

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Type of test Compressive Strength (EN12808-3)

Test specimen Five (3) specimens in cube shape were cast in the laboratory.
The mix proportion of water to "Cementitious gouts (Weber. Color Slim)" ratio was 33% by weight.

Client Saint-Gobain Weber Co., Ltd.

Date of Test July 15, 2014

Test of method After mixing them thoroughly, the specimen were cast to the standard molds having a size of 40x40x40 mm. The specimens are cured for 24 hours in molds, then, stripped and cured in the room temperature until conducting the test.

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

Specimen No.	Width of Sample W (cm)	Length of Sample L (cm)	Thickness of Sample H (cm)	Maximum Load P (kgf)	Compressive Strength P/(WL) (kgf/cm^2)	Remarks (Specimen weight in gram, g)
1	4.00	4.00	4.02	3,350	209.38	99.06
2	4.00	4.01	4.03	3,600	224.44	100.42
3	3.99	4.00	4.01	3,000	187.97	96.17
				Average	207.26	

Note: These results certify the adequacy and representative character of test sample only.

(Assoc. Prof. Dr. Tirawat Boonyatee)

On Behalf of Head of Civil Engineering Department

Tested by : _____

(Assist. Prof. Dr. Boonchai Sangpetngam)

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FACULTY OF ENGINEERING
CHULALONGKORN UNIVERSITY

Type of test Flexural Strength (EN12808-3)

Test specimen Five (3) specimens in cube shape were cast in the laboratory. The mix proportion of water to "Cementitious gouts (Weber. Color Slim)" ratio was 33% by weight.

Client Saint-Gobain Weber Co., Ltd.

Date of Test July 15, 2014

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

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

Specimen No.	Width of Sample b (cm)	Length of Sample l (cm)	Thickness of Sample h (cm)	Maximum Load P (kgf)	Flexural Strength Sf (kgf/cm2)	Remarks $Sf=3PL/2bh^2$, L=10 cm.
1	4.00	16.05	4.08	246	55.42	
2	4.00	16.04	4.04	214	49.17	
3	3.99	16.09	4.05	184	42.17	
				Average	48.92	

Note: These results certify the adequacy and representative character of test sample only.

(Assoc. Prof. Dr. Tirawat Boonyatee)
On Behalf of Head of Civil Engineering Department

Tested by : _____
(Assist. Prof. Dr. Boonchai Sangpetngam)

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FACULTY OF ENGINEERING
CHULALONGKORN UNIVERSITY
MATERIAL TESTING LABORATORY

Type of test Water absorption of cementitious grouts ofter 30 and 240 min (EN12808-5)

Client Saint-Gobain Weber Co., Ltd.

Test product Tile Grout (Weber. Color Slim) – cementitious tile grout, provided by the client

Type of grout Cementitious grout

Test procedure Each specimen was weighed 28 days after mixing. Weight increment of each specimen was measured 30 min and 240 min after placing them vertically with the 40-mm x 40-mm end face submerged in 5 mm deep water.

Date of Test July 15, 2014

Test conditions Temperature =30°C , Relative humidity =66%

Test Results

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

Specimen No.	Weight of Dry Specimen, g	Weight of Specimen, g		Water Absorption, g	
		After 30-min immersion	After 240-min immersion	After 30-min immersion	After 240-min immersion
1	396.20	396.90	397.65	0.70	1.45
2	401.70	402.60	402.80	0.90	1.11
3	384.70	386.00	386.50	1.30	1.80
			Average=	0.97	1.45

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On Behalf of Head of Civil Engineering Department

Tested by : _____
(Assist. Prof. Dr. Boonchai Sangpetngam)

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FACULTY OF ENGINEERING

CHULALONGKORN UNIVERSITY

Type of test : SHRINKAGE TEST (EN 12808-4)

Test specimen : Three (3) specimens in prism shape were cast in the laboratory.

The mix proporting of water to "weber.color slim" ratio was 33% by weight.

Client : SAINT-GOBAIN WEBER CO., LTD.

Date of test : July 15, 2014

Test results : The shrinkage of speimens 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	151.90	148.50	2.13
2	149.00	146.00	2.44
3	150.50	145.70	3.00

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

(Assoc. Prof. Dr. Tirawat Boonyatee)

On Behalf of Head of Civil Engineering Departmer

Tested by :

(Assist. Prof. Dr. Boonchai Sangpetngam)

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PRODUCT PERFORMANCE TESTING LABORATORY
100 Clemson Research Blvd., Anderson, SC 29625
Phone 864.646.8453 Fax 864.646.2821
Email testing@tcnatile.com Web www.TCNAtile.com

TCNA TEST REPORT NUMBER: **TCNA-0817-18**

TEST REQUESTED BY: **Saint-Gobain Weber Co, Ltd.**

TEST METHOD: **ANSI A118.6 Specification for Standard Cement Grouts for Tile Installation**

This specification describes the test methods and minimum requirements for standard cementitious grouts. Grouts meeting this specification may or may not contain polymers.

TEST SUBJECT MATERIAL: Identified by client as: **"Webercolor Slim"**

TEST DATE: 3/6/2018 – 4/3/2018

TEST PROCEDURE NOTES:

- Sample prep: The grout was mixed at a liquid to powder ratio of 30:100 parts by weight per the client's instruction
- All samples were set up and cured according to ANSI A118.6.

TEST RESULTS:

Test Designation	Test Description	Evaluation	ANSI A118.6 Specification	
			Sanded	Unsanded
4.3	Linear Shrinkage Shrinkage based on initial bar length Shrinkage based on 1 day specimen length*	 0.21% 0.12%	< 0.20%	< 0.30%
4.4	Water Absorption 50% R.H. to Immersion	12%*	< 10%	< 18%
4.5	Compressive Strength 1-Day 28-day	 1986 psi* 4322 psi*	 500 psi min. 3000 psi min.	 500 psi min. 3000 psi min.
4.6	Tensile Strength 28-Day	 515 psi*	 300 psi min.	 250 psi min.
4.7	Flexural Strength 28-day	 1188 psi*	 500 psi min.	 500 psi min.

***COMMENTS:** The client requested that the shrinkage based on both the length of the initial bar length and based on the 1 day specimen length be reported. The results for water absorption, compressive strength, tensile strength, and flexural strength were first reported as part of TCNA-0215-18. The TCNA-0215-18 testing was performed on a different shipment of the material.

ACCREDITED Testing Laboratory