Reference No. SPT-94/53



FACULTY OF ENGINEERING CHULALONGKORN UNIVERSITY

TEST RESULT SUMMARY

The sample in the trademark of "weber.tai 2-in-1" was submitted by the Saint-Gobain weber Co., Ltd. The series of test and test methods were conducted on October 1, 2010 in accordance with ISO 13007 / European Norms (EN 1348:1997) with details as follows:

Specification of cementitious adhesives (C)

Fundamental Characteristics								
la Normal setting adhesives (C2)								
Characteristics	Requirement	Test Method	Results					
Tensile initial adhesion strength	≥ 1 N/mm ²	EN 1348§ 8.2	PASS					
Tensile adhesion strength after water immersion	≥ 1 N/mm ²	EN 1348 § 8.3	PASS					

Regarding to the testing results, it was found that the properties of "weber.tai 2-in-1" are conformed to ISO 13007/ European Norms (EN 1348:1997) test methods as specified. These results certify the adequacy and representative character of test samples only.

(Assist. Prof. Dr. Chatpan Chintanapakdee)

On Behalf of Head of Civil Engineering Department

(Dr. Boonchai Sangpetngam)



FACULTY OF ENGINEERING

CHULALONGKORN UNIVERSITY

Type of test

INITIAL ADHESION STRENGTH (EN 1348:1997)

Test specimen

Five (5) specimens of "weber.tai 2-in-1" were prepared in the laboratory.

The mix proportion of water to "weber.tai 2-in-1" ratio was 25% by weight.

Client

SAINT-GOBAIN WEBER CO., LTD.

Date of test

October 1, 2010

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

st resurts .

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

Specimen	Width of Specimen	Length of Specimen	Area	Maximum Load	Tensile Adhesion	Remarks
No.	(mm)	(mm)	(mm ²)	(N)	Strength (N/mm ²)	Remarks
1	50	50	2,500	4,663	1.9	The failure of all specimens
2	50	50	2,500	3,981	1.6	occurred at the interface between
3	50	50	2,500	3,819	1.5	tile adhesive surface and concrete
4	50	50	2,500	4,168	1.7	slab surface
5	50	50	2,500	4,416	1.8	
	10			Average	1.7	

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

(Assist. Prof. Dr. Chatpan Chintanapakdee)

On Behalf of Head of Civil Engineering Department

Tested by:

(Dr. Boonchai Sangpetngam)



FACULTY OF ENGINEERING CHULALONGKORN UNIVERSITY

Type of test

ADHESIVE STRENGTH AFTER WATER IMMERSION (EN 1348:1997)

Test specimen

Five (5) specimens of "weber.tai 2-in-1" were prepared in the laboratory.

The mix proportion of water to "weber.tai 2-in-1" ratio was 25% by weight.

Client

SAINT-GOBAIN WEBER CO., LTD.

Date of test

October 1, 2010

Test method

After finish the preparation, the test unite were placed in standard conditions for 7 days and stored in water for 20 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 water at the standard temperature. Determine the tensile adhesive strength.

Test results

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

Specimen	Width of Specimen	Length of Specimen	Area	Miximum Load	Tensile Adhesion	Remarks
No.	(mm)	(mm)	(mm ²)	(N)	Strength (N/mm ²)	
1	50	50	2,500	2,184	0.9	The failure of all specimens
2	50	50	2,500	2,605	1.0	occurred at the interface between
3	50	50	2,500	2,952	1.2	tile adhesive surface and concrete
4	50	50	2,500	2,978	1.2	slab surface
5	50	50	2,500	3,026	1.2	
				Average	1.1	

(Assist. Prof. Dr. Chatpan Chintanapakdee)

On Behalf of Head of Civil Engineering Department

Tested by : Bowl Sangpetngam)