



TECHNICKÝ A ZKUŠEBNÍ ÚSTAV STAVEBNÍ PRAHA, s. p.
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TEST REPORT

on tests of Adhesive mortar for tiles FIXKIM

No 040 – 033 507

Employer : FIKSKIM PAZARLAMA A.Ş.

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İSTANBUL - TÜRKİYE

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The results apply to the mentioned subject of testing only.



Teplice 2009-08-26

1. BACKGROUND INFORMATION

1.1. Assignment of testing

Tests of the Adhesive mortar for tiles FIXKIM in accordance with the standard EN 12004, made in the plant Tuzla – İstanbul, has been performed in frames of product certification according to NV 190/2002 Coll. Product Certification according to Article 5 Clause 1b) (system 3) of the Government Decree of the Czech Republic No. 190/2002 Coll.

1.2. Groundwork papers

Contract on services No. Z 040 08 0204.

1.3. Samples

Sampling was performed in the plant Tuzla – İstanbul.
The sample was sent to TZÚS by a forwarding agency.

Person present at taking: Mr. İbik İlker
Sampling was according to the EN ISO 15605.

Date of sampling	License number TZÚS	Date of testing
2009-06-11	09-1181	2009-07-13 until 2009-08-21

2. USED TEST PROCEDURE

①	EN 1348	Adhesives for tiles – Determination of tensile adhesion strength for cementitious adhesives
②	EN 1308	Adhesives for tiles – Determination of slip
③	EN 1346	Adhesives for tiles – Determination of open time

Note: In tables about result test are using standard progress marked relevant numbers at circle.

Deviation from standard progress or using other progress:

They don't was use.



3. TEST RESULTS

They are introduced in following tables:

Table 1 : Physical-mechanical properties

Sample No.	Dosing of water: ml H ₂ O / 1000 g dry mortar
09-1181	260

Table 2 : Adhesion strenght ①

Tile Nr.	Adhesion strenght (initial state)		Adhesion strenght (after immersion in water)		Adhesion strenght (after placing at higher temperature)		Adhesion strenght (after the freeze/thaw cycles)	
	(MPa)	adhesion failure	(MPa)	adhesion failure	(MPa)	adhesion failure	(MPa)	adhesion failure
1	(0,4)	AF-S	0,8	AF-T	1,2	AF-S	1,3	AF-T
2	0,8	AF-S	1,0	AF-T	1,1	AF-S	1,6	AF-T
3	0,9	AF-S	(1,1)	AF-T	(0,4)	AF-S	(1,8)	AF-T
4	0,8	AF-S	0,9	AF-T	0,9	AF-S	1,5	AF-T
5	1,0	AF-S	0,9	AF-T	1,2	AF-S	1,5	AF-T
6	1,1	AF-S	(0,6)	AF-T	1,0	AF-S	1,4	AF-T
7	1,0	AF-S	0,	AF-T	0,8	AF-S	1,7	AF-T
8	1,1	AF-S	0,7	AF-T	0,9	AF-S	(0,8)	AF-T
9	1,0	CT-A	0,9	AF-S	1,2	AF-S	1,1	AF-T
10	(1,2)	AF-S	0,7	AF-S	1,1	AF-S	1,3	AF-T
mean	1,0	AF-S	0,9	AF-T	1,1	AF-S	1,4	AF-T

Results in brackets were not used for calculations of the arithmetic mean according the paragraph 9 of EN 1348



Table 3 : Slip ②

Tile Nr.	measurement 1	measurement 2	measurement 3	Slip
	(mm)	(mm)	(mm)	(mm)
1	0,23	0,33	0,43	0,33
2	0,57	0,74	0,90	0,74
3	0,32	0,36	0,39	0,36
mean	xxx	xxx	xxx	0,47

Table 4: Open time ③

Tile Nr.	Open time 20 min Adhesion strenght	
	(MPa)	adhesion failure
1	0,9	AF-S
2	0,7	AF-S
3	0,9	AF-S
4	0,8	AF-S
5	0,8	AF-S
6	0,8	CF-A
7	1,1	AF-T
8	0,7	CF-A
9	0,9	AF-T
10	1,1	AF-T
mean	0,9	AF-S

Results in brackets were not used for calculations of the arithmetic mean according the paragraph 9 of EN 1346


The person responsible for
 technical aspects of the Report

Ing. Václav Kupšovský

Tests were carried out by:

Lucie Lompartová




 Ing. Václav Kupšovský
 Accredited testing laboratory manager

END OF THE REPORT