



TEST REPORT No. 990

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The 16th of July, 2015

Customer "HEY'DI AS", Tretjerndalsvegen 68, 2016 Frogner, Norway
(company name and address)

Producer _____
(if varies from the customer, name and address of the producing company)

Product waterproofing material "Hey'di Cemflex", EN 14891:2012+AC:2013
(ND mark)

Date of product delivery 04 02 2015

Date of testing 02 06 2015 – 07 07 2015

Testing place JSC "Alzida", Savanorių Ave. 221, LT-02300 Vilnius, Lithuania
(laboratory name)

Sampling was carried out by customer
(act number, date)

The tests were carried out according to LST EN 14891:2012+AC:2013 A.6.2; A.6.3; A.6.5;
(testing ND or method description)

A.6.6; A.6.9

Deviations from the testing method _____
(if any were)

TESTING RESULTS are presented in the test report's pages 2÷3.

Test results are valid only for above-mentioned objects. Test report can be duplicated or reprinted only fully. Part of the test report can be duplicated or distributed with permission of the laboratory.

Other information -

Supplements: -



LIQUID APPLIED WATER IMPERMEABLE PRODUCT "HEY'DI CEMFLEX" FOR USE BENEATH CERAMIC TILING and CEMENTITIOUS ADHESIVE FOR TILES "HEY'DI FLEX G"

"Hey'di Cemflex" mixing. Dry part : water – 1 : 0,44. Coating: two-layers, 1,5 kg/m² of material for each layer. The first layer was dried 24 h. The second layer was dried 72 h.

Adhesive's mixing. Dry part : water – 1 kg : 0,35 l. Time of maturing 4 min.

Initial adhesion strength (LST EN 14891:2012+AC:2013 A.6.2)

Series No	Determination No	Tensile adhesion strength, N/mm ²	Mean value, N/mm ²	Mode of failure
1	1	0,63	0,7	100 % within "Hey'di Cemflex" layer
	2	0,74		100 % within "Hey'di Cemflex" layer
	3	0,65		100 % within "Hey'di Cemflex" layer
	4	0,73		100 % within "Hey'di Cemflex" layer
	5	0,68		100 % within "Hey'di Cemflex" layer
	6	0,75		100 % within "Hey'di Cemflex" layer
	7	0,71		100 % within "Hey'di Cemflex" layer
	8	0,64		100 % within "Hey'di Cemflex" layer
	9	0,69		100 % within "Hey'di Cemflex" layer
	10	0,72		100 % within "Hey'di Cemflex" layer

Testing conditions: T = 22 °C; RH - 52 %; circulation of air < 0,2 m/s

Tensile adhesion strength after water contact (LST EN 14891:2012+AC:2013 A.6.3)

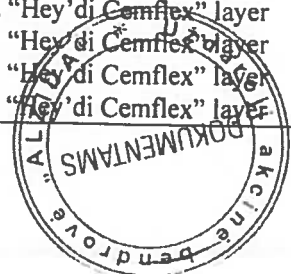
Series No	Determination No	Tensile adhesion strength, N/mm ²	Mean value, N/mm ²	Mode of failure
2	1	0,63	0,6	100 % within "Hey'di Cemflex" layer
	2	0,59		100 % within "Hey'di Cemflex" layer
	3	0,59		100 % within "Hey'di Cemflex" layer
	4	0,58		100 % within "Hey'di Cemflex" layer
	5	0,64		100 % within "Hey'di Cemflex" layer
	6	0,61		100 % within "Hey'di Cemflex" layer
	7	0,58		100 % within "Hey'di Cemflex" layer
	8	0,66		100 % within "Hey'di Cemflex" layer
	9	0,59		100 % within "Hey'di Cemflex" layer
	10	0,62		100 % within "Hey'di Cemflex" layer

Testing conditions: T = 22 °C; RH - 52 %; circulation of air < 0,2 m/s

Tensile adhesion strength after heat ageing (LST EN 14891:2012+AC:2013 A.6.5)

Series No	Determination No	Tensile adhesion strength, N/mm ²	Mean value, N/mm ²	Mode of failure
3	1	0,92	0,9	100 % within "Hey'di Cemflex" layer
	2	0,81		100 % within "Hey'di Cemflex" layer
	3	0,82		100 % within "Hey'di Cemflex" layer
	4	0,85		100 % within "Hey'di Cemflex" layer
	5	0,93		100 % within "Hey'di Cemflex" layer
	6	0,86		100 % within "Hey'di Cemflex" layer
	7	0,88		100 % within "Hey'di Cemflex" layer
	8	0,84		100 % within "Hey'di Cemflex" layer
	9	0,91		100 % within "Hey'di Cemflex" layer
	10	0,83		100 % within "Hey'di Cemflex" layer

Testing conditions: T = 22 °C; RH - 52 %; circulation of air < 0,2 m/s



LIQUID APPLIED WATER IMPERMEABLE PRODUCT "HEYDI CEMFLEX" FOR USE BENEATH CERAMIC TILLING and CEMENTITIOUS ADHESIVE FOR TILES "HEYDI FLEX G"

Tensile adhesion strength after freeze-thaw cycle (LST EN 14891:2012+AC:2013 A.6.6)

Series No	Determination No	Tensile adhesion strength, N/mm ²	Mean value, N/mm ²	Mode of failure
4	1	0,49	0,5	100 % within "Hey'di Cemflex" layer
	2	0,47		100 % within "Hey'di Cemflex" layer
	3	0,45		100 % within "Hey'di Cemflex" layer
	4	0,42		100 % within "Hey'di Cemflex" layer
	5	0,51		100 % within "Hey'di Cemflex" layer
	6	0,48		100 % within "Hey'di Cemflex" layer
	7	0,50		100 % within "Hey'di Cemflex" layer
	8	0,49		100 % within "Hey'di Cemflex" layer
	9	0,52		100 % within "Hey'di Cemflex" layer
	10	0,51		100 % within "Hey'di Cemflex" layer

Testing conditions: $T = 22\text{ }^{\circ}\text{C}$; $RH - 52\%$; circulation of air $< 0,2\text{ m/s}$

Tensile adhesion strength after contact with lime water (LST EN 14891:2012+AC:2013 A.6.9)

Series No	Determination No	Tensile adhesion strength, N/mm ²	Mean value, N/mm ²	Mode of failure
5	1	0,45	0,5	30 % within "Hey'di Cemflex" layer, 70 % between "Hey'di Cemflex" and substrate
	2	0,53		the same
	3	0,46		the same
	4	0,50		the same
	5	0,49		the same
	6	0,52		the same
	7	0,48		the same
	8	0,54		the same
	9	0,47		the same
	10	0,49		the same

Testing conditions: $T = 23\text{ }^{\circ}\text{C}$; $RH - 54\%$; circulation of air $< 0,2\text{ m/s}$

The test has been carried out by engineer Zenonas Reika

The calculation was made by manager of technical director Liudmila Daukšienė

Director
Aloyzas Sadauskas



Technical director
Liudmila Daukšienė