



CONSTRUCTION PRODUCTS TESTING LABORATORY

REPORT

Version 6
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FROM TESTING

№ 1 04 3375 / 10.02.2017

1. Products and systems for the protection and repair of concrete structures:

Postfix system HILST, produced by Largo Enterprise LTD

2. Test requested by:

SertPromTest, 14 street Malenkovskaya, building 3, pom.4, room 4, Moscow, 107113, Russia, application № 2-0972/21.11.2016

3. Test methods:

BDS EN 12190:2001 Products and systems for the protection and repair of concrete structures - Test methods - Determination of compressive strength of repair mortar

BDS EN 1015-11:2001+A1:2007 Methods of test for mortar for masonry - Part 11: Determination of flexural and compressive strength of hardened mortar

BDS EN 13687-1:2002 Products and systems for the protection and repair of concrete structures - Test methods - Determination of thermal compatibility - Part 1: Freeze-thaw cycling with de-icing salt immersion

BDS EN 13057:2003 Products and systems for the protection and repair of concrete structures - Test methods - Determination of resistance of capillary absorption

BDS EN 1542:2002 Products and systems for the protection and repair of concrete structures - Test methods - Measurement of bond strength by pull-off

BDS EN 13036-4:2012 Road and airfield surface characteristics - Test methods - Part 4: Method for measurement of slip/skid resistance of a surface: The pendulum test

4. Date of delivery of samples to the laboratory:

21.11.2016

5. Quaity of test samples:

Concrete substitute: postfix system HILST: component A – 5 kg and component B – 5 kg, supplied by the applicant.

6. Date of test:

21.11.2016 ÷ 09.02.2017

Laboratory manager: _____

(eng. H. Angelova)



7. Test results:

№	Name of testing/ characteristic	Unit of measure	Standardized methods	Diary sample №	Test results (uncertainty)		Environmental conditions	Deviations, additions or exclusions from the test methods
					6	7		
1.	Compressive strength at 10 % relative deformation	N/mm ²	BDS EN 12190:2001	3239-0	0.51 0.50 0.64	Average: 0.6	t = 21°C RH = 56%	no
2.	Density	kg/m ³	BDS EN 12190:2001	3239-0	93.6 95.2 90.6	Average: 93	t = 21°C RH = 56%	no
3.	Flexural strength	N/mm ²	BDS EN 1015-11:2001 +A1:2007	3239-0	1.76 1.36 1.87	Average: 1.7	t = 21°C RH = 56%	no
4.	Thermal compatibility Part 1 – De-icing salt immersion	N/mm ²	BDS EN 13687-1:2002	3239-0	1.0 1.0 0.9 0.8 1.1 1.0	Average: 1.0	t = 22°C RH = 57%	no
5.	Capillary absorption	kg/m ² h ^{0.5}	BDS EN 13057:2003	3239-0	0.03		t = 21°C RH = 56%	no
6.	Adhesive bond	N/mm ²	BDS EN 1542:2002	3239-0	0.78 0.76 0.76	Average: 0.8	t = 21°C RH = 56%	no
7.	Skid resistance – in dry condition	-	BDS EN 13036-4:2012	3239-0	60		t = 21°C RH = 56%	no

Note I: The test results apply to the samples only.

Note II: The test certificate shut be entirely copied only and with agreement by the test laboratory.



Tested by:.....
(D. Teneva)

Laboratory manager:.....
(eng. H. Angelova)