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BUILDING TESTING CENTER at
Building Research Institute (NISI) Ltd
Laboratory BUILDING CHEMISTRY and ISOLATIONS

TEST REPORT
No 364-3-124/28.06.2010

Product:
Acrylic render KARBOPLAST

Producer: KARBON D.O.O – Serbia

Applicant: KARBON D.O.O
126 V.Karadorda blvd, Topola, Serbia
Application form from 20.04.2010
Test sample is taken and provided by the Applicant

Test methods:

EN 1015-21 Methods of test for mortar for masonry - Part 21: Determination of the compatibility of one-coat rendering mortars with substrates

EN 1062-3 Paints and varnishes - Coating materials and coating systems for exterior masonry and concrete - Part 3: Determination of liquid water permeability

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

EN ISO 7783-2 Paints and varnishes - Coating materials and coating systems for exterior masonry and concrete - Part 2: Determination and classification of water-vapour transmission rate (permeability)

Submitted sample is tested on characteristics requested by the Applicant

Date of receiving of the sample: No 364/20.04.2010

Test samples: One sample of 2 kg

Test period: 26.04.2010 - 25.06.2010

Manager of the Center
Res. Ass. Eng. Tzvetana Guorova

Testing data:

No	Characteristic	Unit of measu-rement	Test method [1]	No and identi-fication of the sample	Test result/ uncertainty	Requirement and tolerance of the characteristics [2]	Test conditions
1	2	3	4	5	6	7	8
1.	Water vapour permeability, V	$g/(m^2.d)$	EN ISO 7783-2	124	132±2	$15>V_2\leq150$ (medium category)	T = 23°C ± 0,1 RH = 50 % ± 1,3 RH = 93 % ± 1,3
2.	Water absorption, W	$kg/m^2 h^{0,5}$	EN 1062-3	124	0,2	$0,1>W_2\leq0,5$ (medium category)	T = (23±2)°C ± 0,1
3.	Adhesion	N/mm^2	EN 1542	124	1,1±0,1	≥ 0,3	T = (21±2)°C ± 0,1 RH = (60±10) % ± 1
4.	Adhesion after durability test [3]	N/mm^2	EN 1015-21	124	1,3±0,1	≥ 0,3	T = (23±2)°C ± 0,1 RH = (50±5) % ±1,3

Notes:

[1] The test specimens are prepared by applying a coat with a thickness of 2,0 mm.

[2] Requirements and tolerances of the characteristics are in accordance with EN 15824:2009

[3] The test specimens have been subjected to 5 test cycles compresing according to EN 13687-3:2006 following :

- 2 h water storage at (21±2)°C
- 4 h storage in air at (-15±2)°C
- 2 h water storage at (21±2)°C
- 16 storage in air at (60±2)°C

Head of the Laboratory
Res. Ass. Dr. Eng. Victoria Vassileva

Menager of the Center
Res. Ass. Eng. Tzvetana Guorova

Tests are carry out by: Eng. E. Alexandrova

NOTE: Where relevant, the test report may include opinions and interpretations on certain tests but only in accordance with the requirements of clause 5.10.5 of EN ISO / IEC 17025. Conclusions are not allowed.