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

TEST REPORT No 368-3-128/28.06.2010

Product:

Adhesive/base coat for thermal insulation systems „SIPROKOL”

Producer: KARBON D.O.O – Serbia

Applicant: KARBON D.O.O, Serbia

126 V.Karadorda blvd, Topola

Application form from 20.04.2010

Test sample is taken and provided by the Applicant

Test methods:

EN 1015-12 Methods of test of mortar for masonry - Part 12: Determination of adhesive strength of hardened rendering and plastering mortars on substrates

Date of receiving of the sample: No 368/20.04.2010

Test samples: One sample of 5 kg

Test period: 26.04.2010 - 25.06.2010

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



The results relate only to the tested samples.
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Testing data:

No	Characteristic	Unit of measurement	Test method ¹⁾	No and identification of the sample	Test result/uncertainty	Requirement and tolerance of the characteristics ³⁾	Test conditions
1	2	3	4	5	6	7	8
1.	Bond strength between adhesive and concrete substrate	N/mm ²	EN 1015-12	128	1,38±0,01	≥ 0,25 according to ETAG 004	T = (20±2)°C ± 0,1 RH = (50±5) % ± 1,3
2.	Bond strength between adhesive and concrete substrate after immersion in water for 2 days and 2 hours drying at (23±2)°C and (50±5) % RH	N/mm ²	EN 1015-12	128	1,15±0,01	≥ 0,08 according to ETAG 004	T = (20±2)°C ± 0,1 RH = (50±5) % ± 1,3
3.	Bond strength between adhesive and concrete substrate after immersion in water for 2 days and 7 days drying at (23±2)°C and (50±5) % RH	N/mm ²	EN 1015-12	128	2,70±0,02	≥ 0,25 according to ETAG 004	T = (20±2)°C ± 0,1 RH = (50±5) % ± 1,3
4.	Bond strength between adhesive and expanded polystyrene (EPS) substrate	N/mm ²	EN 1015-12 ²⁾	128	0,12	≥ 0,08 according to EN 13499	T = (20±2)°C ± 0,1 RH = (50±5) % ± 1,3
5.	Bond strength between adhesive and expanded polystyrene (EPS) substrate after immersion in water for 2 days and 2 hours drying at (23±2)°C and (50±5) % RH	N/mm ²	EN 1015-12 ²⁾	128	0,09	≥ 0,03 according to ETAG 004	T = (20±2)°C ± 0,1 RH = (50±5) % ± 1,3
6.	Bond strength between adhesive and expanded polystyrene (EPS) substrate after immersion in water for 2 days and 7 days drying at (23±2)°C and (50±5) % RH	N/mm ²	EN 1015-12 ²⁾	128	0,20	≥ 0,08 according to ETAG 004	T = (20±2)°C ± 0,1 RH = (50±5) % ± 1,3
7.	Bond strength between adhesive and expanded polystyrene (EPS) substrate after 5 cycles comprising: immersion in water at (23±2)°C for 8 h freezing to (-20±2)°C for 16 h	N/mm ²	EN 1015-12 ²⁾	128	0,18	≥ 0,08 according to ETAG 004	T = (20±2)°C ± 0,1 RH = (50±5) % ± 1,3
8.	Bond strength between adhesive and expanded polystyrene (EPS) substrate after 5 cycles comprising: heating to (50±2)°C for 8 h freezing to (-20±2)°C for 16 h	N/mm ²	EN 1015-12 ²⁾	128	0,14	≥ 0,08 according to ETAG 004	T = (20±2)°C ± 0,1 RH = (50±5) % ± 1,3

NOTES:

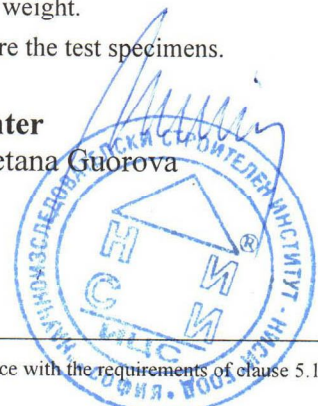
¹⁾ The test samples have been prepared at mixing ratio dry mixture: water = 100: 35 parts by weight.

²⁾ Expanded polystyrene (EPS) boards with 20 kg/m³ density are used as a substrate to prepare the test specimens.

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.