



® **НАУЧНО ИЗСЛЕДОВАТЕЛСКИ ИНСТИТУТ
ПО СТРОИТЕЛНИ МАТЕРИАЛИ – ЕООД**

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**DIRECTION CONSTRUCTION PRODUCTS CONFORMITY ASSESSMENT
TESTING LABORATORY**

Notification № CPD 05 – NB 1950/17.09.2007

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*CERTIFIED Laboratory from BAS according to BDS EN/IEC 17025:2006
Certificate reg. 47 ЛИ Valid until 01.07.2018*

TEST REPORT

**FOR INITIAL TYPE-TESTING OF PRODUCT
UNDER SYSTEM 3**

№ ITT-EC-292-6 / 06.08.2014

1. WATERPROOFING COATINGS.

FLEXIBLE ONECOMPONENT CEMENT BASED HYDROINSULATING COATING.

Commercial name – BK – Hidrostop Extra.

Manufacturer: BANJA KOMERC BEKAMENT D.O.O., Arandjelovac, Republic Serbia.

(name of the product)

2. BANJA KOMERC BEKAMENT D.O.O., Arandjelovac, Republic Serbia.

Application ref.№ AIL - 03 - 1281/28.07.2014.

The sample is delivered by the Applicant.

(name of the Applicant, Number and date of the protocol for sample taking)

3. Testing method: BDS EN 14891:2012, BDS EN 206-1/HA: 2008, ILM.

(standards number or approved interlaboratory methods)

**4. Date of sample receiving / samples for testing in the laboratory: 28.07.2014,
lab. № 133.**

5. Sample quantity for testing: 5,0 kg.

(quantity and weight of the samples)

6. Date of the test execution: 29.07 – 06.08.2014.

TL Head

(RA eng M. Kostova)

Manager:

(eng. Vasko Dimitrov)



7. TEST RESULTS

7.1 Test result in the scope of accreditation

№	Name of the index	Unit	Standard, approved methods	Test results (value, indefiniteness)	Value and tolerances of the method index	Testing conditions	Deviation of the test method
1	2	3	4	5	6	7	8
1.	Watertightness at 150 kPa	-	Interlaboratory method* BDS EN 14891:2012 BDS EN 206-1 / HA:2008	Pass: No penetration	BDS EN 14891:2012 No penetration ≤20 g. weight gain	t = 23 °C	No

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Note I: If it is necessary, the test report could include opinions and interpretations for certain tests (conclusions are not allowed), only in compliance with the requirements of item 5.10.5 from BDS EN ISO/IEC 17025.

Note II: The results of the testing are valid only for the tested samples. The test report conclusions cannot be multiplied without the written agreement of the Testing Laboratory.

*The test pieces are made according to interlaboratory method and their dimensions are in conformity with the relative standard test methods.

The present protocol shall serve the manufacturer/importer for conformity declaration issuing and to place conformity mark.

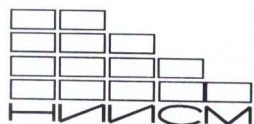
THE TEST WAS EXECUTED BY:

(eng. St. Todorova, technologist N. Seliktar)



TL HEAD: (RA eng. M. Kostova)





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TEST REPORT

№ 945-1 / 06.08.2014

1. WATERPROOFING COATINGS.

FLEXIBLE ONECOMPONENT CEMENT BASED HYDROINSULATING COATING.

Commercial name – BK – Hidrostop Extra.

Manufacturer: BANJA KOMERC BEKAMENT D.O.O., Arandjelovac, Republic Serbia.

(name of the product)

2. BANJA KOMERC BEKAMENT D.O.O., Arandjelovac, Republic Serbia.

Application ref. № AIL - 03 - 1281/28.07.2014.

The sample is delivered by the Applicant.

(name of the Applicant, Number and date of the protocol for sample taking)

3. Testing method: BDS EN 1097-3:2000, BDS EN 1015-1:2001, BDS EN 1015-3:2001, BDS EN 1015-6:2001, BDS EN 1015-10:2001, BDS EN 1015-11:2001, BDS EN 12311-2:2010, BDS EN 14891:2012, BDS EN 206-1/HA.

(standards number or approved interlaboratory methods)

4. Date of sample receiving / samples for testing in the laboratory:
28.07.2014, lab. № 133.

5. Sample quantity for testing: 5,0 kg.

(quantity and weight of the samples)

6. Date of the test execution: 29.07 – 06.08.2014.

HEAD OF ACCREDITED LABORATORY:

(RA eng. M. Kostova)



7. TEST RESULTS

Nº	Name of the index	Unit	Standard, approved methods	Nº of the sample in the register book	Test results (value, indefiniteness)	Value and tolerances of the method index	Testing conditions	Deviation of the test method
1	2	3	4	5	6	7	8	9
	<u>Identification indexes</u>							
1.	Bulk density	kg/m ³	BDS EN 1097-3: 2000	945-1	1180	Value declared by the Manufacturer	t = 23 °C	No
2.	Particle size distribution (by sieve analysis) 0,5 mm 0,25 mm 0,125 mm 0,063 mm	%	BDS EN 1015-1: 2001	945-1	94,8 79,9 61,3 22,3	Value declared by the Manufacturer	t = 23 °C	No
3.	Proportion of the components-dry mixture: water	parts by weight	-	945-1	100:30	Value declared by the Manufacturer	t = 23 °C	No
4.	Consistence of the mortar	mm	BDS EN 1015-3: 2001	945-1	115	-	t = 23 °C	No
5.	Bulk density of the mortar	kg/m ³	BDS EN 1015-6: 2001	945-1	1580	Value declared by the Manufacturer	t = 23 °C	No
6.	Density in hardened condition	kg/m ³	BDS EN 1015-10: 2001	945-1	1330	Value declared by the Manufacturer	t = 23 °C	No
<u>PERFORMANCE</u>								
7.	Compressive strength after 28 days	N/mm ²	BDS EN 1015-11: 2001	945-1	10,0	Value declared by the Manufacturer	t = 23 °C	No
8.	Flexural strength after 28 days	N/mm ²	BDS EN 1015-11: 2001	945-1	5,1	-	t = 23 °C	No

1	2	3	4	5	6	7	8	9
9.	Tensile strength • Unreinforced • Reinforced with glass veil	N/mm ² N/50 mm	BDS EN 12311-2: 2010, Method B	945-1	1,6 285 4,95 555	Value declared by the Manufacturer	t = 23 °C	No
10.	Elongation • Unreinforced • Reinforced	%	BDS EN 12311-2: 2010	945-1	7,0 5,0	Value declared by the Manufacturer	t = 23 °C	No
11.	Adhesion strength after curing in normal conditions	N/mm ²	BDS EN 14891: 2012 Annex A	945-1	0,96	BDS EN 14891:2012 ≥0,5	t = 23 °C	No
12.	Adhesion strength after immersion in water	N/mm ²	BDS EN 14891: 2012 Annex A	945-1	1,0	BDS EN 14891:2012 ≥0,5	t = 23 °C	No
13.	Adhesion strength after heat ageing	N/mm ²	BDS EN 14891: 2012 Annex A	945-1	0,75	BDS EN 14891:2012 ≥0,5	t = 70 °C	No
14.	Adhesion strength after freeze-thaw cycles	N/mm ²	BDS EN 14891: 2012 Annex	945-1	0,55	BDS EN 14891:2012 ≥0,5	t = -15 °C	No
15.	Adhesion strength after contact with chlorinated water	N/mm ²	BDS EN 14891: 2012 Annex	945-1	0,92	BDS EN 14891:2012 ≥0,5	t = 23 °C	No
16.	Crack bridging ability	mm	BDS EN 14891: 2012, Annex A	945-1	1,5	BDS EN 14891:2012 ≥0,75	t = 23 °C	No
17.	Watertightness	-	Interlaboratory method* BDS EN 14891:2012 BDS EN 206-1 / HA:2008	945-1	Does not leak water	BDS EN 14891:2012 No penetration ≤20 g. weight gain 168 hours at 150 kPa	t = 23 °C	No

*The test pieces are made according to interlaboratory method and their dimensions are in conformity with the relative standard test methods.

Note: The results of the testing are valid only for the tested samples. The test report conclusions can not be multiplied without the written agreement of the Testing Laboratory.

THE TEST WAS EXECUTED BY:

(eng. M. Petkov, St. Todorova)

HEAD OF ACCREDITED LABORATORY:

(RA eng. M. Kostova)