® НАУЧНО-ИЗСЛЕДОВАТЕЛСКИ ИНСТИТУТ
ПО СТРОИТЕЛНИ МАТЕРИАЛИ

RESEARCH INSTITUTE OF BUILDING MATERIALS

1528 СОФИЯ, ул. "ИЛИЯ БЕШКОВ" 1 тел.:973 27 87; 873 76 88; факс:973 29 10

CONSTRUCTION PRODUCTS TESTING LABORATORY

Tel.+359 2 973 29 52. e-mail: niism.abv.bg

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

TEST REPORT

№ 395 /26.04.2017

1. PRODUCTS FOR DECORATIVE COATINGS.
   Thermal function coating for indoor and outdoor application.
   Commercial name – ***TERMO STOP.***
   Manufacturer: Metalotehnika DOO, Prilep.
   (name of the product)

2. Geing Krebs und Kiefer International, Prilep.
   Application № AIL-03-481/30.03.2017.
   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 ISO 3251:2008, BDS EN 1015-4:2001, BDS EN 1062-3:2008, BDS EN 1542:2002, BDS EN 7783:2003.
   (standards number or approved interlaboratory methods)

4. Date of sample receiving / samples for testing in the laboratory: 30.03.2017, lab. № 38.

5. Sample quantity for testing: 8 kg.
   (quantity and weight of the samples)

6. Date of the test execution: 03.04 -- 26.04.2017.

HEAD OF ACCREDITED LABORATORY: (Yana Antova)

НИИСМ ЕООД ИЗПИТВАТЕЛНА ЛАБОРАТОРИЯ СОФИЯ

7. TEST RESULT

№	Name of the index	Unit	Standard, approved methods	№ 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
1.	Non-volatile matter content	%	BDS EN ISO 3251: 2008	395	50,0	-	t = 22°C	No
2.	Consistency	mm	BDS EN 1015-4: 2001	395	24	-	t = 22°C	No
3.	Liquid-water transmission (permeability)	$\frac{kg}{m^2 h^{0,5}}$	BDS EN 1062-3:2008	395	0,48	BDS EN 15824:2010 0,1-0,5 Category W_2 - average	t = 22°C	No
4.	Adhesion on substrate	MPa N/mm^2	BDS EN 1542:2002	395	1,04	BDS EN 15824:2010 > 0,3	t = 22°C	No
5.	Water vapour transmission properties • Water vapour transmission rate–V; • Water vapour diffusion resistance factor-μ.	$\frac{g}{m^2.d}$ -	BDS EN 7783:2011	395	130 40	BDS EN 15824:2010 Category W_2 -average ≤ 150 - >1 50 -	t = 22°C	No

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 can not be multiplied without the written agreement of the Testing Laboratory.

The present protocol shall serve to the manufacturer for CE marking.

THE TEST WAS EXECUTED BY:
(eng. Ts. Tsokov, technologist N.Nikolova)

НИИСМ ЕООД ИЗПИТВАТЕЛНА ЛАБОРАТОРИЯ СОФИЯ

HEAD OF CERTIFIED LABORATORY:
(Yana Antova)

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TEST REPORT

№ 395-1 /26.04.2017

1. PRODUCTS FOR DECORATIVE COATINGS.
   Thermal function coating for indoor and outdoor application.
   Commercial name – ***TERMO STOP.***
   Manufacturer: Metalotehnika DOO, Prilep.
   (name of the product)

2. Geing Krebs und Kiefer International, Prilep.
   Application № AIL-03-481/30.03.2017.
   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 1015-6:2001, BDS EN 1015-10:2001, BDS EN ISO 787-9:1999, BDS EN 12667:2004, BDS EN 1745:2012.
   (standards number or approved interlaboratory methods)

4. Date of sample receiving / samples for testing in the laboratory: 30.03.2017, lab. № 38.

5. Sample quantity for testing: 8 kg.
   (quantity and weight of the samples)

6. Date of the test execution: 03.04 – 26.04.2017.

НИИСМ ЕООД ИЗПИТВАТЕЛНА ЛАБОРАТОРИЯ

HEAD OF ACCREDITED LABORATORY:
(Yana Antova)

7. TEST RESULT

№	Name of the index	Unit	Standard, approved methods	№ 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
1.	Bulk density of fresh mortar	kg/m^3	BDS EN 1015-6: 2001	395-1	750	-	t = 22°C	No
2.	Density in hardened condition	kg/m^3	BDS EN 1015-10:2001	395-1	325	-	t = 22°C	No
3.	Ph-value	-	BDS EN ISO 787-9: 1999	395-1	6,5	-	t = 22°C	No
4.	Thermal conductivity coefficient, $\lambda_{10^\circ C\ dry}$ ◆ Test result ◆ Table value	$\frac{W}{m.K}$	BDS EN 12667:2004 BDS EN 1745:2012 Table A.12	395-1	0,057 0,075	- Value declared by the Manufacturer Value, estimated on the base of graphical dependence: „density-thermal conductivity"	t = 22°C	No

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.

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(eng. Ts. Tsokov, technologist N.Nikolova)

HEAD OF CERTIFIED LABORATORY:
(Yana Antova)