



LABORATORIUM CHEMII BUDOWLANEJ EFEKT Sp. z o. o.

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1. Identification:

CUSTOMER: Name and address	RIVER POWER s.r.o. 702 00 Ostrava, ul. Hlubinska 1378/36 Czech Republic	Order number, dated: 2/10/5/18 of 01.10.2018	
		Name of the object: Description provided from the package	Type of test sample / object (designation, name, type): Description provided from the protocol
PAINT FOR INDOOR APPLICATIONS PSC- ECI		412/18	
The purpose of the study:	Other		
Sampler:	Method of sampling:	Date of acceptance of the test sample:	
The sample collected by the customer Miroslaw Bryk	By the procedure Kabe Therm	03.10.2018	
Information about the delivered object/ sample: quantity/ packaging/ date of production/ validity/ batch number/ possible comments	Sample size: 5kg liter in the bucket. date of production/ batch numer: 28.09.2018		
Method of sample preparation:	The coating for testing was prepared according to PN-C 81514: 1979 Application method - applicator / roller Number of layers - one / two Drying time - 7 and 14 days Substrate type - ceramic Dimension of test specimens 120x250 mm		
Date of start of the test:	15.10.2018	Date of end of the test:	19.11.2018
Laboratory conditions:	Temperature: 23±2 °C, humidity: 50±5 %		
Additional information:	-		

METHODS / TESTING PROCEDURES:

EN 1062-1: 2005 "Paints and varnishes. Paintwork and coating systems used outdoors for walls and concrete. Part 1: Classification."

2. Test results:

No.	Properties	Research standard	Test results						Mean value
2.1	Determination of gloss value at: ✓ 85° ✓ 60° ✓ 20°	EN ISO 2813:2014 „Paints and varnishes..Determination of gloss value at 85°, 60° and 20°."	0,0	0,0	0,0	0,0	0,0	0,0	0,0
			0,8	1,4	1,0	1,5	1,0	1,5	1,2
			0,5	0,9	0,7	0,9	0,6	0,9	0,8
2.2	Coating thickness, µm	point 5.3 EN 1062-1:2005	44						
2.3	Grain size - sieving on a sieve 100 µm, %	EN ISO 1524:2013-06 „Paints and varnishes. Determination of fineness of grind."	0,0			0,0			0,0
2.4	Water vapor transmission rate V, g/m ² · d	EN ISO 7783:2012 „Paints and varnishes. Determination of water-vapour transmission properties. Cup method."	80	79	74	98	77	82 ± 8*	
	Diffusional equivalent thickness of the air layer Sd, m		0,25						
2.5	Capillary absorption and water permeability, kg/m ² · h ^{0,5}	EN 1062-3:2008 „Paints and varnishes. Coating materials and coating systems for exterior masonry and concrete. Part 3: Determination of liquid water permeability."	0,03		0,04		0,05		0,04 ± 0,01*

* Measurement uncertainty was determined at the 95% confidence level and the k = 2 expansion factor

**Standard deviation

The test results refer only to the tested samples. The uncertainty of the result does not include the uncertainty of sampling.
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CLASSIFICATION OF LIME PAINT ACCORDING TO EN 1062-1: 2005

Definition	
Determination according to the chemical nature of the film-forming substance	Water dispersion of acrylic resin
Determination according to the state of dissolution	Waterborne
Classification	
Gloss $85^\circ \leq 10$ (Matt)	G ₃
Coating thickness $> 50 \leq 100 \mu\text{m}$	E ₁
Grain size. (Small change). According to PN-EN ISO 1524:2002 (EN 21524) is to $100 \mu\text{m}$	S ₁
Water vapor transmission rate (Medium) $\leq 150 > 15 \text{ g/m}^2 \cdot \text{d}$	V ₂
Water permeability (Short) $\leq 0,1 \text{ kg/m}^2 \cdot \text{h}^{0,5}$	W ₃
Crack bridging properties	Not tested
Carbon dioxide permeability	Not tested

Code designation

PN-EN 1062-1	G ₃	E ₂	S ₁	V ₂	W ₃	-	-
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Authorizing test results::

26.11.18
Katarzyna Wądrasak
Date, function, signature