



**LABORATORIUM CHEMII BUDOWLANEJ EFEKT Sp. z o.o.**  
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AB 1703

**1. Identification:**

<b>CUSTOMER:</b> Name and address		<b>River Power, s.r.o.</b> <b>Hlubinská 1378/36, 702 00 Ostrava</b>		<b>Order number, dated:</b> 5/22/2/23 of 22.02.2023	
<b>Name of the object:</b> Description provided from the package		<b>Type of test sample / object (designation, name, type):</b> Description provided from the protocol		<b>Sample Code in the Laboratory:</b>	
<b>Silicate thermoreflective paint PSC 250T ECO+</b>				108/23	
<b>Data provided by the ordering party</b>	<b>The purpose of the study:</b>	Marking CE, periodic tests			
	<b>Sampler:</b>	<b>Method of sampling:</b>	<b>Date of sampling:</b>	<b>Date of acceptance of the test sample:</b>	
	The sample collected by the customer	PN-EN ISO 15558	08.03.2023	09.03.2023	
	<b>Information about the delivered object/</b> sample: quantity/ packaging/ date of production/ validity/ batch number/ possible comments	Sample size: 100 – 200 g / replacement packaging			
<b>Method of sample preparation:</b>		The test coating was prepared in accordance with the manufacturer's description in the Technical Data Sheet. Method of application – with a trowel. Number of layers: Paint PSC 250T ECO – two, consumption – 0,23 kg/ m <sup>2</sup> Substrate type –silicate substrate, porous carrier Drying time – 7 days			
<b>Date of start of the test:</b>		15.03.2023	<b>Date of end of the test:</b>		19.05.2023
<b>Laboratory conditions:</b>		Temperature: 23±2 °C, humidity: 50±5 %			
<b>Additional information:</b>		„A” examination included in the scope of accreditation PCA 1703			

**METHODS / TESTING PROCEDURES:**

EN 1062-1:2005 Paints and varnishes – Coating materials and coating systems for exterior masonry and concrete – Part 1: Classification

**2. Test results:**

No.	Properties	Research standard	Required value	Test results				Mean value	Statement of compliance	
									(reference document)	(the principle of making decisions - simple acceptance)
2.1	Water vapour transmission rate, V, g/m <sup>2</sup> ·d	EN ISO 7783:2018-11 Wet cup method <b>A</b>	Category V <sub>1</sub> >150 Category V <sub>2</sub> (15 – 150) Category ia V <sub>3</sub> ≤ 15	1215	1282	1434	1535	<b>1367 ± 301*</b>	EN 1062-1:2005	<b>Fulfills for category V<sub>1</sub></b>
	Diffusion equivalent to the air layer thickness Sd, m			0,02	0,02	0,01	0,01			
2.2	Water absorption, kg/m <sup>2</sup> ·h <sup>0,5</sup>	EN 1062-3:2008 <b>A</b>	Category W <sub>1</sub> > 0,5 Category W <sub>2</sub> ≤ 0,5 > 0,1 Category W <sub>3</sub> ≤ 0,1	0,09	0,12	0,10	<b>0,1</b> (0,10 ± 0,04*)	EN 1062-1:2005	<b>Fulfills for category W<sub>3</sub></b>	
<b>Uncertainty Information:</b>		* Measurement uncertainty was determined at the 95% confidence level and the k = 2 expansion factor ** Standard deviation								
<b>Developing test results:</b> Date, function, signature		Mariusz Wroński  Zabrze, of 26.05.2023			<b>Authorizing test results:</b> Date, function, signature		Katarzyna Walusiak  Zabrze, of 26.05.2023			
The test results refer only to the tested samples. The uncertainty of the result does not include the uncertainty of sampling. Without the written consent of the Laboratory Manager The test report may not be reproduced otherwise than in its entirety.										

*The end of report*