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AB 1703

1. Identification:

CUSTOMER: Name and address		River Power, s.r.o. Hlubinská 1378/36, 702 00 Ostrava		Order number, dated: 5/22/2/23 of 22.02.2023	
Name of the object: Description provided from the package		Type of test sample / object (designation, name, type): Description provided from the protocol		Sample Code in the Laboratory:	
		Basic B PSC 250T Build Silicate thermoreflective paint PSC 250T ECO+ PSC Nanoshield		107/23 106/23 108/23 109/23	
Data provided by the ordering party	The purpose of the study:	Marking CE, periodic tests			
	Sampler:	Method of sampling:	Date of sampling:	Date of acceptance of the test sample:	
	The sample collected by the customer	PN-EN ISO 15558	08.03.2023	09.03.2023	
	Information about the delivered object/ sample: quantity/ packaging/ date of production/ validity/ batch number/ possible comments	Sample size: 100 – 200 g / replacement packaging			
Method of sample preparation:		The test coating was prepared in accordance with the manufacturer's description in the Technical Data Sheet. Number of layers: Basic B – one, consumption – 0,19 kg/ m ² PSC 250T Build – one (coatings thickness 1,0-1,5 mm) – consumption 0,74 kg/ m ² Farba PSC 250T ECO – two, consumption – 0,23 kg/ m ² PSC Nanoshield - one, consumption – 0,09 kg/ m ² Method of application – with a trowel and painting roll. Substrate type –silicate substrate, porous carrier Drying time – 7 day			

Date of start of the test:	15.03.2023	Date of end of the test:	19.05.2023
Laboratory conditions:	Temperature: 23±2 °C, humidity: 50±5 %		
Additional information:	„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”

EN 1504-2:2006 „Products and systems for the protection and repair of concrete structures – Definitions, requirements, quality control and evaluation of conformity – Part 1: Definitions.”

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 ² · d	EN ISO 7783:2018-11 Wet cup method A	Category V ₁ >150 Category V ₂ (15 – 150) Category ia V ₃ ≤ 15	142	149	122	110	131 ± 37*	EN 1062-1:2005	Fulfills for category V₂
	Diffusion equivalent to the air layer thickness Sd, m			0,14	0,14	0,17	0,19			
2.2	Water absorption, kg/m ² ·h ^{0,5}	EN 1062-3:2008 A	Category W ₁ > 0,5 Category W ₂ ≤ 0,5 > 0,1 Category W ₃ ≤ 0,1	0,04	0,04	0,04	< 0,1 (0,04 ± 0,01)	EN 1062-1:2005	Fulfills for category W₃	
Uncertainty Information:		* Measurement uncertainty was determined at the 95% confidence level and the k = 2 expansion factor ** Standard deviation								
Developing test results: Date, function, signature		Mariusz Wroński Zabrze, of 26.05.2023			Authorizing test results: 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