



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

<b>1. Identification:</b>		<b>CUSTOMER:</b>		<b>Order number, dated:</b>	
<b>Name and address</b>		River Power, s.r.o. Hilbínská 1378/36, 702 00 Ostrava		1/6/3/24 of 06.03.2024	
<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>	
Exterior plaster PSC FO		Initial type test (ITT)		107/24	
<b>Data provided by the ordering party</b>		<b>Sampler:</b>		<b>Method of sampling:</b>	
The sample collected by the customer		PN-EN 1015-2		29.02.2024	
<b>Information about the delivered object/ sample: quantity/ packaging/ date of production/ validity/ batch number/ possible comments</b>		20 kg/ bucket (replacement packaging) Sample production date/ expiry date / batch number: 29.02.2024/ Nr-1/2024 – PSC FO		Date of acceptance of the test sample: 04.04.2024	
<b>Method of sample preparation:</b>		PN-EN 1015-2:2000, PN-EN 1015-2:2000/A1:2007 Water to mortar ratio according to producers recommendation on package: 0,32 l/ 1 kg			
<b>Date of start of the test:</b>		10.04.2024		<b>Date of end of the test:</b>	
Laboratory conditions:		Temperature: 23±2 °C, humidity: 50±5 %		14.05.2024	
<b>Additional information:</b>		Accredited test due accreditation range AB 1703 is marked in report with „A” index			

**METHODS / TESTING PROCEDURES:**  
EN 998-1:2016-12 „Specification For Mortar For Masonry. Part 1: Rendering And Plastering Mortar”

**2. Test result:**

No.	Properties	Research standard	Required value	Test Results						Average value	Declaration of conformity	
											(reference document)	(the principle of decision-making - simple acceptance - without taking into account the value of uncertainty of results)
2.1	Consistence of fresh mortar (by flow table) [mm]	EN 1015-3 A	Declared value	175						175	EN 998-1:2016	Declared value
2.2	Compressive strength of hardened mortar [N/mm <sup>2</sup> ]	EN 1015-11 A	CS I from 0,4 to 2,5 CS II from 1,5 to 5,0 CS III from 3,5 to 7,5 CS IV $\geq 6,0$	3,55	3,90	3,75	3,35	3,45	3,65	3,6 $\pm$ 0,4*	WTA 2-9-20/D EN 998-1:2016	Fulfills for CS II and CS III
2.3	Flexural strength of hardened mortar [N/mm <sup>2</sup> ]	EN 1015-11	No requirements	1,85	1,65		1,50		1,7 $\pm$ 0,4*		No requirements	

## 2. Test result:

No.	Properties	Research standard	Required value	Test Results							Average value	Declaration of conformity	
				(reference document)	(the principle of decision-making - simple acceptance - without taking into account the value of uncertainty of results)							Fulfills for every Category	
2.4	Water absorption of hardened mortar [kg/(m <sup>2</sup> ·min <sup>0,5</sup> )]	PN-EN 1015-18:2003 A	W <sub>c</sub> 0 unspecified W <sub>c</sub> 1 ≤ 0,40 W <sub>c</sub> 2 ≤ 0,20	0,05	0,05	0,05	0,05	0,05	0,05	0,05	0,1 ± 0,1*		EN 998-1:2016
2.5	Water absorption of hardened mortar [kg/m <sup>2</sup> ] after 24 h (for renovation mortars)			≥ 0,3 (for renovation mortars)	2,30	2,05	1,70	1,55	2,75	2,50	2,1 ± 0,9*	EN 998-1:2016	Fulfills
2.6	Capillary lifting of water [mm]	PN-EN 1015-18:2003	≤ 5	2	3	3	2	2	3	3 ± 1**	EN 998-1:2016	Fulfills	

## Uncertainty information:

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

Developed:  
(date, function, signature)

16.05.2024  
 SPECJALISTA  
 Pds. Badach  
 Mariusz Wronski

Authorized:  
(date, function, signature)

16.05.2024  
 KIEROWNIK LABORATORIUM  
 Katarzyna Wlasiak

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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The end of report