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1. Identification:

CUSTOMER: Name and address		KOFARB Sp. z o.o. ul. Jagiellońska 85-87 42-200 Częstochowa		Order number, dated: 1/28/2/23 of 28.02.2023	
Name of the sample/object: Description provided from the package				Type of test sample / object (designation, name, type): Description provided from the protocol	
KOFATERM ROOF PAINT				K/3/3/23	
Data provided by the customer	The purpose of the test:	Classification based on standard PN-EN 1062-1:2005			
	Sampler:	Method of sampling:		Sampler:	
	The sample collected by the customer	Not applicable		The sample collected by the customer	
	Information about the delivered object/sample: quantity/ packaging/ date of production/ validity/ batch number/ possible comments	Sample production date: 2023.01.18			
Additional information:		No additional information			

CLASSIFICATION OF DISPERSION BASED ON STANDARD PN-EN 1062-1:2005 „Paints and varnishes – Coating materials and coating systems for exterior masonry and concrete – Part 1: Classification” based on test results provided by external supplier. Atest no. 03/2022

2. Classification:

2.1	Classification by chemical type of binder	PN-EN 1062-1:2005 p. 4.1	(Co)polimer dispersion
2.2	Classification by dissolution or dispersion of binder in varnish	PN-EN 1062-1:2005 p. 4.2	Water-soluble

3. General classification:

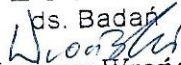
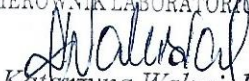
No.	Properties	Research standard	Required value	Test results (average value)	Statement of compliance	
					(reference document)	(decision-making principle – simple acceptance – without taking into account the uncertainty of the results)
3.1	Gloss marked at the angle of incidence, GU: 20° 60° 85°	PN-EN 1062-1:2005 p. 5.2	For angle of incidence – reflectance 85° < 10	-	PN-EN 1062-1:2005 Table 1	Category G ₃ Matt
				-		
				6		
3.2	Coating thickness, μm	PN-EN 1062-1:2005 p. 5.3	Category E ₁ < 50 Category E ₂ > 50 ≤ 100 Category E ₃ > 100 ≤ 200 Category E ₄ > 200 ≤ 400 Category E ₅ > 500	- for R _B /R _W 99,5: 326 μm, category E ₄ - for R _B /R _W 98,0: 190 μm, category E ₃ - for R _B /R _W 95: 160 μm, category E ₃	PN-EN 1062-1:2005 Table 2	Category E ₃ / E ₄
3.3	Grain size, %	PN-EN 1062-1:2005 p. 5.4	Marked on sieve 100 μm	95 μm	PN-EN 1062-1:2005 Table 3	Category S ₁ Fine granulation

3. General classification, cd:

No.	Properties	Research standard	Required value	Test results (average value)	Statement of compliance	
					(reference document)	(decision-making principle – simple acceptance – without taking into account the uncertainty of the results)
3.4	Water vapour transmission coefficient through the free coating, V , $\text{g/m}^2 \cdot \text{d}$	PN-EN 1062-1:2005 p. 5.5	Category $V_1 > 150$ Category $V_2 (15 - 150)$ Category $V_3 \leq 15$	$55 \pm 2^{**}$ (calculated for an average coating thickness: 100 μm) $12 \pm 0,4^{**}$ (for an average coating thickness: 500 μm)	PN-EN 1062-1:2005 Table 4	Category V_2 Medium
	Diffusion-equivalent air layer thickness S_d , m		Category $V_1 < 0,14$ Category $V_2 (\geq 0,14 < 1,4)$ Category $V_3 \geq 1,4$	$0,92 \pm 0,02^{**}$ ($0,33 \pm 0,02^{**}$) (calculated for an average coating thickness: 100 μm) ($1,65 \pm 0,03^{**}$) (for an average coating thickness: 500 μm)		
	Relative diffusion resistance coefficient, μ			$3300 \pm 70^{**}$ (dimensionless quantity)		
3.5	Water permeability, $\text{kg/m}^2 \cdot \text{h}^{0,5}$	PN-EN 1062-1:2005 p. 5.6	Category $W_1 > 0,5$ Category $W_2 \leq 0,5 > 0,1$ Category $W_3 \leq 0,1$	$0,027 \pm 0,007^{**}$ (for an average coating thickness: 280+310 μm) Daily water permeability: $0,08 \pm 0,02^{**} \text{ kg/m}^2$	PN-EN 1062-1:2005 Table 5	Category W_3 Weak

3. General classification, cd:

No.	Properties	Research standard	Required value	Test results (average value)	Statement of compliance									
					(reference document)	(decision-making principle – simple acceptance – without taking into account the uncertainty of the results)								
3.6	Crack bridging, method A, μm	PN-EN 1062-1:2005 p. 5.7	Table 6 PN-EN 1062-1:2005 Crack bridging categories : $A_0 \pm A_5$ $A_4 > 1250$	> 1500	PN-EN 1062-1:2005 Table 6	Category A_4								
3.7	Carbon dioxide permeability (CO_2), $\text{g/m}^2 \cdot 24\text{h}$	PN-EN 1062-1:2005 p. 5.8	C_0 - no requirements $C_1 < 5$	2,7 (for an average coating thickness: 210 μm)	PN-EN 1062-1:2005 Table 7	Category C_1								
	Relative diffusion resistance S_d , m		C_0 - no requirements $C_1 > 50$	73										
Code designation														
<table border="1" style="margin: auto;"> <tr> <td>PN-EN 1062-1</td> <td>G₃</td> <td>E₃, E₄</td> <td>S₁</td> <td>V₂</td> <td>W₃</td> <td>A₄</td> <td>C₁</td> </tr> </table>							PN-EN 1062-1	G ₃	E ₃ , E ₄	S ₁	V ₂	W ₃	A ₄	C ₁
PN-EN 1062-1	G ₃	E ₃ , E ₄	S ₁	V ₂	W ₃	A ₄	C ₁							

Uncertainty information:	* Measurement uncertainty was determined at the 95% confidence level and the k = 2 expansion factor **Standard deviation		
Developed: (date, function, signature)	08.03.2023 SPECJALISTA ds. Badań  Mariusz Wroński	Approved: (date, function, signature)	08.03.2023 KIEROWNIK LABORATORIUM  Katarzyna Walusiak
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 classification report