



**LABORATORIUM CHEMII BUDOWLANEJ EFEKT Sp. z o. o.**  
41-800 Zabrze, ul. Kasprowicza 5  
tel. 696 087 423, email: [kwalusiak@op.pl](mailto:kwalusiak@op.pl) <http://www.efekt-zabrze.pl>

## 1. Identification:

<b>CUSTOMER:</b> Name and address		<b>KOFARB Sp. z o.o.</b> ul. Jagiellońska 85-87 42-200 Częstochowa		<b>Order number, dated:</b>	
				1/28/2/23 of 28.02.2023	
<b>Name of the sample/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>KOFATERM ROOF PASTE</b>		K/5/3/23	
Data provided by the customer	<b>The purpose of the test:</b>	Classification based on standard PN-EN 1062-1:2005			
	<b>Sampler:</b>	<b>Method of sampling:</b>		<b>Sampler:</b>	
	The sample collected by the customer	Not applicable		The sample collected by the customer	
	<b>Information about the delivered object/ sample:</b> quantity/ packaging/ date of production/ validity/ batch number/ possible comments	Sample production date: 2023.01.12			
<b>Additional information:</b>		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. 05/2022

**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:

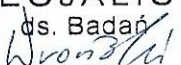
No.	Properties	Research standard	Required value	Test results (average value)	Statement of compliance	
					(reference document)	(decision-making principle – simple acceptance – without taking into account the uncertainty of the results)
3.1	Gloss marked at the angle of incidence, GU: 20° 60° 85°	PN-EN 1062-1:2005 p. 5.2	For angle of incidence – reflectance  85° < 10	-	PN-EN 1062-1:2005 Table 1	Category G <sub>3</sub>  Matt
				-		
				3		
3.2	Coating thickness, μm	PN-EN 1062-1:2005 p. 5.3	Category E <sub>1</sub> < 50 Category E <sub>2</sub> > 50 ≤ 100 Category E <sub>3</sub> > 100 ≤ 200 Category E <sub>4</sub> > 200 ≤ 400 Category E <sub>5</sub> > 500	- for R <sub>B</sub> /R <sub>W</sub> 99,5: 243 μm, category E <sub>4</sub> - for R <sub>B</sub> /R <sub>W</sub> 98,0: 176 μm, category E <sub>3</sub> - for R <sub>B</sub> /R <sub>W</sub> 95: 88 μm, category E <sub>2</sub>	PN-EN 1062-1:2005 Table 2	Category E <sub>2</sub> , E <sub>3</sub>   E <sub>4</sub>
3.3	Grain size, %	PN-EN 1062-1:2005 p. 5.4	Marked on sieve 100 μm	97 μm	PN-EN 1062-1:2005 Table 3	Category S <sub>1</sub>  Fine granulation

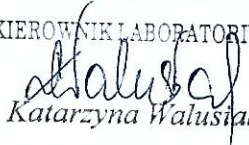
## 3. General classification, cd:

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 $V_3 \leq 15$	$18 \pm 1^{**}$ (for coating thickness: 520 $\mu\text{m}$ )  $19,2 \pm 0,2^{**}$ (calculated for an average coating thickness: 500 $\mu\text{m}$ )	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 $V_3 \geq 1,4$	$1,07 \pm 0,7^{**}$ (for coating thickness: 520 $\mu\text{m}$ )  ( $1,02 \pm 0,03^{**}$ ) (calculated for an average coating thickness: 500 $\mu\text{m}$ )		
	Relative diffusion resistance coefficient, $\mu$			$2050 \pm 40^{**}$  (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 $W_3 \leq 0,1$	after 12h $0,023 \pm 0,001^{**}$ in the next 24h $0,010 \pm 0,006^{**}$  (for an average coating thickness: 480 $\mu\text{m}$ )  Daily water permeability: after 12h $0,060 \pm 0,006^{**}$ in the next 24h $0,016 \pm 0,004^{**}$	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, $\mu\text{m}$	PN-EN 1062-1:2005 p. 5.7	Table 6 PN-EN 1062-1:2005 Crack bridging categories : $A_0 \pm A_5$ $A_4 > 1250$	> 2300	PN-EN 1062-1:2005 Table 6	Category $A_4$								
3.7	Carbon dioxide permeability ( $\text{CO}_2$ ), $\text{g/m}^2 \cdot 24\text{h}$	PN-EN 1062-1:2005 p. 5.8	$C_0$ - no requirements $C_1 < 5$	3,3  (for an average coating thickness: 210 $\mu\text{m}$ )	PN-EN 1062-1:2005 Table 7	Category $C_1$								
	Relative diffusion resistance $S_d$ , m		$C_0$ - no requirements $C_1 > 50$	70										
<b>Code designation</b>														
<table border="1" style="margin: auto;"> <tr> <td>PN-EN 1062-1</td> <td><math>G_3</math></td> <td><math>E_2, E_3 \mid E_4</math></td> <td><math>S_1</math></td> <td><math>V_2</math></td> <td><math>W_3</math></td> <td><math>A_4</math></td> <td><math>C_1</math></td> </tr> </table>							PN-EN 1062-1	$G_3$	$E_2, E_3 \mid E_4$	$S_1$	$V_2$	$W_3$	$A_4$	$C_1$
PN-EN 1062-1	$G_3$	$E_2, E_3 \mid E_4$	$S_1$	$V_2$	$W_3$	$A_4$	$C_1$							

<b>Uncertainty information:</b>	* Measurement uncertainty was determined at the 95% confidence level and the $k = 2$ expansion factor **Standard deviation	
<b>Developed:</b> (date, function, signature)	08.03.2023 <b>SPECJALISTA</b> ds. Badań  Mariusz Wroński	<b>Approved:</b> (date, function, signature)
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.		

08.03.2023  
 KIEROWNIK LABORATORIUM  
  
 Katarzyna Walusiak

*The end of classification report*