CLASSIFICATION no. EKW/1/3/2023 of 08.03.2023

LABORATORIUM CHEMII BUDOWLANEJ EFEKT Sp. z o. o.
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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		**Sample Code in the Laboratory:**
KOFATERM INDOOR PAINT				K/1/3/23
Data provided by the customer	**The purpose of the test:**	Classification based on standard PN-EN 13300:2002		
	Sampler:	**Method of sampling:**	**Date of sampling:**	**Date of acceptance of the test sample:**
	The sample collected by the customer	Not applicable	Not applicable	Not applicable
	Information about the delivered object/ sample: quantity/ packaging/ date of production/ validity/ batch number/ possible comments	Sample production date: 2022.10.04		
Additional information:		No additional information		

CLASSIFICATION OF DISPERSION PAINT FOR INTERIORS OF BUILDINGS BASED ON STANDARD PN-EN 13300:2002 „Paints and varnishes - Paints and varnishes for interior walls and ceilings - Classification" based on test results provided by external supplier. Atest no. 01/2022

2. General classification:

2.1	Classification by end use	PN-EN 13300:2002 p. 4.2	**Decorative paint**
	(specjal properties)		**Thermal insulation and decoration**
2.2	Classification by chemical type of binder	PN-EN 13300:2002 p. 4.3	**Vinyl copolymer**

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3. Additional classification:

No.	Properties	Research standard	Required value	Test results (average value)		Statement of compliance (reference document)	Statement of compliance (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 13300:2002 p. 4.4	*For angle of incidence – refflectance* *85° < 5*	- **2** **1**		PN-EN 13300:2002 Table 1	***Dead-matt***
3.2	Largest grain size (granularity), %	PN-EN 13300:2002 p. 4.5	*Marked on sieve 100 µm - 0*	**45 µ**		PN-EN 13300:2002 p. 4.5	***Fine granulation***
3.3	Wet scrub resistance, µm:	PN-EN 13300:2002 p. 4.6	*For Class 1 thickness loss ≤ 5 µm after 200 scrubs*	• after 200 scrubs	**3,8**	PN-EN 13300:2002 Table 2 Table 3	***Class 1***
				• after 40 scrubs	-		
3.4	Hiding power for white of light-colouredopaque paints, %, for wet film thickness, Yb/Yw	PN-EN 13300:2002 p. 4.7	*Class 1 ≥ 99,5 %*	Paint performance: **≤ 4,1 m²/dm³**		PN-EN 13300:2002 Table 4	***Depending on the paint performance***
			Class 2 ≥ 98,0 i < 99,5 %	Paint performance: **≤ 6,2 m²/dm³**			
			Class 3 ≥ 95,0 i < 98,0 %	Paint performance: **≤ 9,6 m²/dm³**			
			Class 4 < 95,0 %	Paint performance: **≤ 9,6 m²/dm³.**			

4. Classification according to standard PN-EN 1062-1:

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)*
4.1	Water vapour transmission coefficient through the free coating V, g/m^2 ·d	PN-EN 1062-1:2005 p. 5.5	*Category V_1 >150* *Category V_2 (15 – 150)* *Category V_3 ≤ 15*	**25 ± 2**** (for an average coating thickness: 310 µm) **15 ± 0,2**** (for an average coating thickness: 500 µm)	PN-EN 1062-1:2005 Table 4	***Category V_2*** ***Mediumi***
	Diffusion-equivalent air layer thickness Sd, m		*Category V_1 < 0,14* *Category V_2* *(≥0,14 < 1,4)* *Category V_3 ≥ 1,4*	**0,98 ± 0,04**** (for an average coating thickness: 100 µm) (1,5 ± 0,3**) for an average coating thickness: 500 µm		
	Relative diffusion resistance coefficient, µ			**2900 ± 50** (dimensionless quantity)		

5. Classification – other criteria:

No.	Properties	Research standard	Required value	Test results (average value)	Statement of compliance (reference document)	Statement of compliance (decision-making principle – simple acceptance – without taking into account the uncertainty of the results)
5.1	Volatile organic compounds content VOC, g/l	Directive 2004/42/CE	VOC 2004/42/EG IIA (a) (2010) max 30 g/l	**5,5**	Directive 2004/42/CE	***Fulfills for (a) Interior matt walls and ceilings (Gloss < 25 for 60°)***

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)

08.05.2023
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.
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The end of classification report