



**OŚRODEK BADAWCZO-ROZWOJOWY
PRZEMYSŁU PŁYT DREWNOPOCHODNYCH sp. z o.o.**

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Research & Development Centre of Wood-Based Panels
Testing Laboratory
Laboratory for Testing Products



AB 244



TEST REPORT

Subject: Formaldehyde emission

Test method:
PN-EN 717-1:2006

Customer:
Barlinek Inwestycje Sp. z o.o.
ul. Przemysłowa 1
74-320 Barlinek

Basis of testing:
Order from 12.12.2019

Date and location of testing:
Laboratorium Badania Wyrobów OBRPPD, 31.12.2019 ÷ 08.01.2020

Tests results presented in Table, refer only to the delivered samples.
The test report cannot be copied in parts but only in entirety.
The test material was used up.

1. Information from customer

Board type/material: Trójwarstwowa deska podłogowa
Thickness: 14 mm
Production date: 11.12.2019
Sampling: 11.12.2019, Barlinek
Other information: Prepare „back-to-back” Samales so that Orly emissions from the boards surface are tested
Producer: Barlinek Inwestycje Sp. z o.o.
ul. Przemysłowa 1
74-320 Barlinek

2. Sample identification
no. 191101



3. Sample delivery

Delivered by: courier

Date of sample delivery: 20.12.2019

Service during the period between delivery to the laboratory and the start of the testing:

- samples were kept wrapped in PE foil until the beginning of the test.

4. Test method (conditions and analytic method)

The formaldehyde emission testing was performed according to:

- PN-EN 717-1:2006 Wood-based panels – Determination of formaldehyde release – Part 1: Formaldehyde emission by the chamber method.

Testing conditions:

- chamber volume: 0,225 m³;
- temperature: (23 ± 0,5)°C;
- relative humidity: (45 ± 3)%;
- loading ratio: (1,0 ± 0,02) m²/m³;
- air exchange rate: (1,0 ± 0,05)/h;
- air velocity at the surface of the specimen: (0,1 to 0,3) m/s
- formaldehyde concentration in make-up air to test chamber: ≤ 0,006 mg_{HCHO}/m³
- ratio of the length of open narrow planes (unsealed) *U* to surface *A* is $U/A = 1,5 \text{ m/m}^2$
- formaldehyde concentration was determined photometrically according to the acetylacetone method.

5. Results of measurements

date	exposure time [h]	HCHO concentration in chamber [mg/m ³]	date	exposure time [h]	HCHO concentration in chamber [mg/m ³]
2020-01-02	41	0,030	2020-01-07	161	0,026
	44	0,028		164	0,025
2020-01-03	65	0,029	2020-01-08	185	0,024
	68	0,027		188	0,024

6. Emission in steady state

Value of emission in steady state:: **0,024 mg/m³** (188 h)
0,019 ppm

Mirosława Mrozek

Authorized

OB - RPPD spółka z o.o.
Kierownik
Laboratorium Badawczego
Mrozek
mgr inż. Mirosława Mrozek

End of the report