

test report no.
9145/205/2020

date
Czarna Woda, 03.01.2020

page 1 / 2



**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:
Kronospan UA LLC
20 Lutska Str.
Novovolynsk, Volyn Region
Ukraine, 45400

Basis of testing:
order from 11.12.2019

Date and location of testing:
Laboratorium Badania WYROBÓW OBRPPD, 21.12. ÷ 31.12.2019

Tests results presented in Table 1, refer only to the examined samples.
The test report cannot be copied in parts but only in entirety.
The test material was used up.

1. Information from customer

Type of the board:	Particleboard P2 E1
Thickness:	16 mm
Date of production:	02.12.2019
Date of sampling:	09.12.2019
Producer:	Kronospan UA LLC

2. Sample identification
nr 191087

3. Sample delivery

Delivered by: courier
Date of sample delivery: 18.12.2019
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 m/m²
- 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]
23.12.2019	41	0,130	30.12.2019	209	0,108
	44	0,131		212	0,107
24.12.2019	64	0,126	31.12.2019	233	0,108
	68	0,123		236	0,108
27.12.2019	137	0,119			
	140	0,121			

6. Emission in steady state

Value of emission in steady state: **0,108 mg/m³** (236 h)
0,086 ppm

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Koniec sprawozdania