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50-Bru
Dresden, 03 December 2020

Test Report 2520559

Client: MODECOR International GmbH
Neuer Wall 63
20354 Hamburg
Germany

Date of order: 20 November 2020

Order: Determination of the formaldehyde release of laminate (HPL)
according to the gas analysis method DIN EN ISO 12460-3

Contractor: Entwicklungs- und Prüflabor Holztechnologie GmbH
Zellescher Weg 24
D-01217 Dresden

Engineer in Charge: Dipl.-Ing. (FH) S. Hahn



Dipl.-Ing. M. Broege
Head of Laboratory chemical testing

The test report contains 2 pages. Any duplication, even in part, requires written permission of EPH. These test results are exclusively related to the tested material.

1 Task

The Entwicklungs- und Prüflabor Holztechnologie GmbH (EPH) was instructed to determine the formaldehyde release of laminate (HPL) according to the gas analysis method DIN EN ISO 12460-3.

2 Sample material

Date of delivery: 20 November 2020

Type of packing: airtight wrapped

Table 1: Test material

Sample	Sample description	Sample size	Number of test pieces
1	Laminate (HPL) European White 138 pearl B Bachtnumber: 082020	400 mm x 50 mm x 0.8 mm	6

The remaining test material was used up respectively will be disposed of after 3 months.

3 Investigations carried out

The determination of the formaldehyde release was carried out following the gas analysis method DIN EN ISO 12460-3 on 30 November 2020.


Precondition: acc. to DIN EN ISO 12460-3 (point 6.1)

Size of test pieces (mm): 400 x 50

Limit of detection (LOD) of test method: 0.1 mg HCHO /m²h

4 Results and Validation¹

Sample	Gas analysis values [mg HCHO /m ² h]						Criteria	
	Single values					Average value (1 st h – 4 th h)	E1 - Quality ² fulfilled	
	1h	2h	3h	4h	YES		NO	
1	0.19	0.14	0.13	0.12	0.1	0.2	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	0.33	0.22	0.17	0.15	0.2			


Dipl.-Ing. (FH) S. Hahn
Engineer in charge

¹ Statements on conformity assessment/classification were made on the basis of the measurement results obtained. Measurement uncertainties are not included in the assessment (ILAC G8 03/2009 " Guidelines on the Reporting of Compliance with Specification" Section 2.7).

² DIN EN 438-7:2005, Table 4 Limit value HCHO: ≤ 3,5 mg/m²h