



ESUCPCESSHBY QäUAZLITY

Development and Testing Laboratory Holztechnologie GmbH - Zellescher Weg 2-4 01217 Dresden - Germany

DI Dekodur International GmbH & Co.KG Mr.

Holger Held

Langenthaler Straße 4

69434 Hirschhorn/Neckar



Dresden, February 20,
2026 Anne.Kuban@eph-
dresden.de

Test report Order no. 2525393/3

Client: DI Dekodur International GmbH & Co.KG Langenthaler
Straße 4
69434 Hirschhorn/Neckar

Order: Emission testing in accordance with DIN EN 16516 / AgBB scheme
Deko FireSafe Protectionboard, melamine

Contractor (AN): Development and Testing Laboratory Holztechnologie
GmbH Chemical Testing Laboratory
Zellescher Weg 24
01217 Dresden
Germany

Responsible processor: Dipl.-Nat. Anne Kuban

Dipl.-Ing. Martina Broege
Head of Chemical Testing Laboratory

The test report contains 3 pages and 2 appendices with a total of 4 pages. Any reproduction of excerpts requires the written permission of EPH. The test results refer exclusively to the tested material.

1 Task

Conducting an emissions test in accordance with the AgBB scheme 2024.

Parameters: VOC, formaldehyde
Method: DIN EN 16516 (10/2020)

2 Evaluation

Table 1: Evaluation overview

Label	Evaluation scheme	Result
AgBB scheme	AgBB scheme 2024	✓

Requirements are met, * Requirements are not met

* Statements on conformity assessment/classification are made on the basis of the measurement results obtained. Measurement uncertainties are not included in the assessment/classification. We follow ILAC G8:09/2019 "Guidelines on Decision Rules and Statements of Conformity" 4.2.1 Binary Statement for Simple Acceptance Rule ($w=0$).

3 Sample material

Item description

Product name: Model: Deko FireSafe Protectionboard Melamine
Item number: E110.E110.MAT/MAT.018.FSPB.0

Product description

Sample type: EN438 Part 9, flat 1.8 mm
Thickness:

Sampling Batch:

Production date: 04/25; 279/25
12/18/2025
Sampling: By manufacturer
Sampling date: 12/18/2025
Packaging: Quantity: Film
Receipt at EPH: 3 samples 500 x 500 [mm]
Ident No.: 01/09/2026
25500277 - 0003

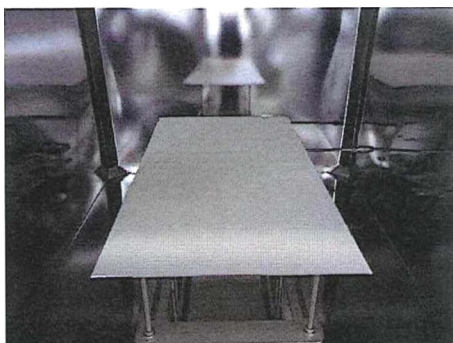


Figure 1: Test specimen in the emission test chamber

4 Implementation

The following methods were used:

- DIN ISO 16000-3: 2023-12, Indoor air pollutants — Part 3: Measurement of formaldehyde and other carbonyl compounds in indoor air and in test chambers — Sampling with a pump,
- DIN ISO 16000-6: 2022-03, Indoor air pollutants — Part 6: Determination of VOCs in indoor air and in test chambers, sampling on Tenax TA°, thermal desorption and gas chromatography with MS or MS-FID,
- DIN EN ISO 16000-9: 2024-08, Indoor air pollutants — Part 9: Determination of emissions of volatile organic compounds from building products and furnishings — Emission test chamber method,
- DIN EN 16516: 2020-10, Building products: Assessment of the release of hazardous substances — Determination of emissions into indoor air

Table 2: Parameters examined

Pos.	Parameter	Test standard	Test period
1	Chamber test	DIN EN 16516	January 13, 2026 — Jan. 20, 2026
1.1	Volatile organic compounds (VOC/SVOC)	DIN EN 16516, GC/MS	
1.	Formaldehyde/aldehydes/acetone	DIN EN 16516, HPLC	

Test conditions applied: Temperature: 23 °C

- 1 1 K
- Humidity: 50% + 5%
- Air exchange rate: 0.5 /h + 0.1 /h
- Load: 0.4 m²/m³
- Edge sealing: Narrow surfaces sealed
- Chamber volume: 0.225 m³, KT 104

5 Results

The following documents are attached to the report:

- Appendix 1: Sampling protocol
- Appendix 2: List of individual values
- Evaluation according to AgBB scheme 2024 Chromatograms



Dipl.-Nat. Anne Kuban Responsible editor

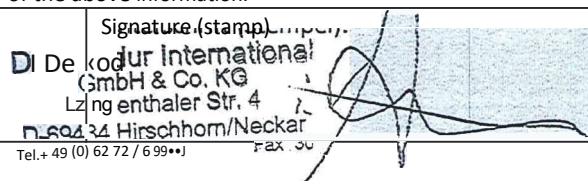
Sampling protocol for emissions testing

CLIENT			
Name of applicant (address/stamp):	DI Dekodur International GmbH & Co KG Langenthalerstrasse 4 69434 Hirschhorn	Product manufacturer (if different from the applicant):	
Manufacturing plant:	Dekodur international GmbH & Co KG Langenthalerstrasse 4 69434 Hirschhorn	Sampler (please mark):	Manufacturer Testing center
		Name, company, telephone:	Holger Held DI Dekodur International +49 627268962

PRODUCT			
Product name:	deko FireSafe Protection board	Type	EN 438 Part 9
Model/Series/ Program:	Melamine	Batch no.:	04/25 279/25
Item no.:	E110.E110.MAT/MAT. 018.FSPB.0	Date of production:	12/18/2025

SAMPLING			
Date of sampling:	12/18/2025	Uh e*	1:30
Sample taken taken:	From ongoing production From stock From reserve samples	How was the product stored before sampling?	Open Packaged
Storage location	Pallet storage	Type of packaging and material:	or'r'
Special features (possible negative influences, ambiguities, questions, etc.):			

EXAMINATION		
Planned tests:		
AgBB DIN EN 16516	Blue Angel M1 j test chamber	Belgian VOC Regulation French VOC Regulation Other
Other/Comments:		

Confirmation	
The undersigned hereby confirms the accuracy of the above information.	
Date 12/06/2025	Signature (stamp)  DI Dekodur International GmbH & Co. KG Langenthaler Str. 4 69434 Hirschhorn/Neckar Tel. +49 (0) 62 72 / 6 99 00 Fax 50

List of individual values

Substance	CAS	RT	Id	c [pg/m ³]		c tot. [pg/m ³]		NIK AgBB	CMR Classification	Ri-AgBB value []	
				3	7	3	7			3	7
Methyl acetate	000079-20-9	VVOC	c	11	7	11	7				
Formaldehyde	000050-00-0	VVOC	d	44	31			100		0.440	0.310
Acetaldehyde	000075-07-0	VVOC	d	n.d.	n.d.			300			
Acetone	000067-64-1	VVOC	d	2	n.d.			120000			
Unidentified VOC	< 5 pg/m ³	VOC		1	n.d.	1	n.a.				
iso-alcohols C6-C13	< 5 pg/m ³	VOC		1	n.d.	1	n.a.	300			

<i>Legend</i>	
RT	Retention area
Id	Identification
	a - Identification and quantification via substance-specific calibration
	b - Identification via spectrum libraries, quantification via substance-like calibration
	c - Not identified, quantification via toluene calibration
	d - Identification and quantification via DNPH
	e - Identification and quantification via IC
c [µg/m ³]	Substance-specific or substance-like quantification
c tol. [pg/m ³]	Quantification via toluene calibration
CSER[² pg/m h]	Substance-specific emission rate
CMR classification	Classification for carcinogenic, mutagenic, and reprotoxic substances
CAS No.: * 5 pg/m ³	For group classifications, emissions of individual substances at 5 kg/m ³
CAS No.: < 5 U _g /m ³	For group classifications, emissions of individual substances < 5 pg/m ³
n.d.	Not detected

Assessment in accordance with AgBB scheme 2024

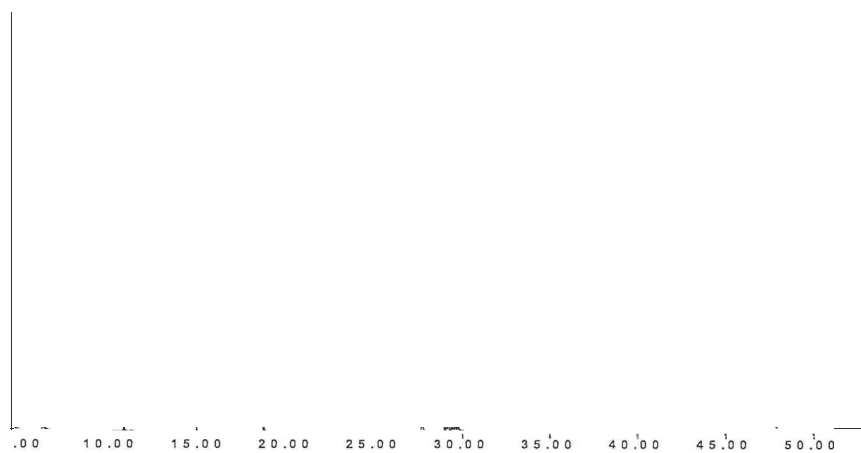
Sampling date with regard to requirements		3 d		7 d		28 d	
Date of sampling		3 d		7 d		No measurement	
Paameer TVOC	CAS	Results [µg/m³] [mg/m³]	Requirements [mg/m³]	Results [µg/m³] [mg/m³]	Termination criteria [mg/m³]	Results ir»/^^'J [mg/m]	Requirements [=»/='J]
Svoc		<5	<10	<5	*0 /		S 1;D
R-value ¹		< 5		< 5	≤ 0,05		s0, 1
§ VOC or NIK		0.440		0.310			≤ 1
} Carcinogens		n.a.		n.a.	stfj . 6		≤ 0,1
Formaldehyde*		n.a.	0.01	n.a.	dt06 g		≤ 0,001
} VVOC		44 0.044	100 µg/m*	31 0.031	0.01		≤ 100 µg/m ³
¹ R-value: dimensionless	000050-00-0	55 0.055		38 0.038	s 100 µg/m*		

² Informative, comparison with NIK value n.ü. :

not detected

Chromatograms

Chromatogram Day 3



Chromatogram Day 7

