

Dorma Hüppe Raumtrennsysteme GmbH + Co KG
Industriestr. 5
26655 Ocholt
DE

Test Report No. 53844-001

Test objective:	Evaluation according to AgBB-scheme 2018
Sample description by client:	Variflex, Variflex 100
Sampled by:	Jörg Tholen, Dorma Hüppe Raumtrennsysteme GmbH + Co KG
Date of sampling:	28.11.2018
Location of sampling:	at the client
Date of production:	not specified
Date of arrival of sample:	05.12.2018
Test period:	05.12.2018 - 21.02.2019
Date of report:	25.02.2019
Number of pages of report:	21
Testing laboratory:	eco-INSTITUT Germany GmbH, Köln except ‡ subcontracted # outside accreditation
Test objective fulfilled:	✓

Expert Evaluation

The product **Variflex, Variflex 100** has been tested on behalf of **Dorma Hüppe Raumtrennsysteme GmbH + Co KG**.

This evaluation is based on the test criteria of the Scheme "Health-related Evaluation of Emissions of Volatile Organic Compounds (VVOC, VOC and SVOC) from Building Products" of the Committee for Health-Related Evaluation of Building Products (AgBB 2018).

The results documented in the test report were evaluated as follows.

Test parameter	Result	Requirement	Requirement hold [yes/no]
Emission analysis			
Measurement time: 3 days after test chamber loading			
Sum VOC (C6-C16) including SVOC with LCI ¹⁾	0,38 mg/m ³	≤ 10 mg/m ³	yes
Sum carcinogenic substances (EU cat. 1A and 1B)	< 0,001 mg/m ³	≤ 0,01 mg/m ³	yes
Measurement time: 28 days after test chamber loading			
Sum VOC (C6-C16) including SVOC with LCI ¹⁾	0,057 mg/m ³	≤ 1 mg/m ³	yes
Sum SVOC without LCI (C16-C22) ¹⁾	< 0,005 mg/m ³	≤ 0,1 mg/m ³	yes
R-Wert (dimensionless)	0,17	≤ 1	yes
Sum VOC without LCI	0,034 mg/m ³	≤ 0,1 mg/m ³	yes
Sum carcinogenic substances (EU cat. 1A and 1B)	< 0,001 mg/m ³	≤ 0,001 mg/m ³	yes

1) for Sum VOC (C6-C16) and Sum SVOC (C16-C22) only substances ≥ 5 µg/m³ are considered

Summary evaluation

The product **Variflex, Variflex 100** meets the emission requirements of the AgBB-Scheme.

Cologne, 25.02.2019



Marc-Anton Dobaj, M.Sc. Crystalline Materials
(Project Manager)

Remark: The test result referred to the submitted test sample exclusively. The validity of the report is three years at most and will end immediately at any alternation of material composition or in manufacturing process. Publishing in parts requires authorisation.