



Forbo-Novilon B.V.
Report No. FO 2207-1334

Cleanroom[®] Suitable Materials

Onyx Impact
Outgassing VOC / SVOC
ISO-ACC_m Class -7.6 / < -9.6

FLOORING & COATING

Single product Outgassing Behavior VOC/SVOC

Qualification Certificate

We hereby certify that the material stated above, provided by

Forbo-Novilon B.V.
KA Coevorden, The Netherlands

has been awarded the Fraunhofer IPA CSM Certificate of Qualification with the report number FO 2207-1334.

The outgassing behavior of Onyx Impact Wall Covering (color: K005-8611) at the stated temperatures was investigated according to VDI 2083 Part 17 and ISO 14644-15. Based on the outgassing rates determined for the specific surfaces, the following material classification was made for the corresponding Contaminant Category:

Contaminant Category (x)	SER _a ¹⁾ 23 °C [g/m ² s]	SER _a ¹⁾ 90 °C [g/m ² s]	ISO-ACC _m Class (x) based on 23 °C
VOC	2.8 x 10 ⁻⁸	2.2 x 10 ⁻⁶	-7.6
SVOC	< 2.8 x 10 ⁻¹⁰	2.3 x 10 ⁻⁷	< -9.6
Amines	< 2.8 x 10 ⁻¹⁰	< 1.7 x 10 ⁻⁹	--
Organophosphates	< 2.8 x 10 ⁻¹⁰	< 1.7 x 10 ⁻⁹	--
Siloxanes	3.5 x 10 ⁻⁹	1.1 x 10 ⁻⁸	--
Phthalates	< 2.8 x 10 ⁻¹⁰	< 1.7 x 10 ⁻⁹	--

¹⁾SER_a: Area-specific emission rate

FO 2207-1334
Report No. first document

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Report No. current document

Stuttgart, October 7, 2022
Place, date of first document issued

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Place, current date

on behalf of 

This document only applies to the named product in its original state and is valid for a period of 5 years from the date the first document was issued. The document can be verified under www.tested-device.com.

Detailed information and parameters of the test environment can be found in the Fraunhofer IPA test report.