



Sika Deutschland GmbH
Report No. SI 2501-1580

Cleanroom® Suitable Materials

Sikagard-453 W

Outgassing Behavior VOC/SVOC
ISO-ACC_m Class -8.1 / -8.4

FLOORING & COATING

Single product
Outgassing Behavior
VOC/SVOC

Qualification Certificate

We hereby certify that the material stated above, provided by

Sika Deutschland GmbH
Stuttgart, Germany

has been awarded the Fraunhofer IPA CSM Certificate of Qualification with the report number SI 2501-1580.

The outgassing behavior of Sikagard-453 W (color: gray) at the stated temperature 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/m²s]	ISO-ACC _m Class (x) based on 23 °C
VOC	8.4×10^{-9}	-8.1
SVOC	4.1×10^{-9}	-8.4
Sum of VOC and SVOC	1.2×10^{-8}	--
Refractories ²⁾	$< 2.8 \times 10^{-10}$	--
Siloxanes ³⁾	$< 2.8 \times 10^{-10}$	--

SER_a: Area-specific emission rate

¹⁾ The emission rate is calculated using the detected mass based on the response of the standard, the analyzed sample surface area or number of samples and the sampling duration.

²⁾ Refractories are compounds containing elements other than C, H and O (e.g.: S, P, N...).

³⁾ Siloxanes and other Si-containing organic substances. Siloxanes also count as refractories.

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Stuttgart, September 24, 2025
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on behalf of

Dr.-Ing. Frank Bürger, head of business unit Testing and Certification

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.