



Cleanroom[®] Suitable Materials

**Master Builders
Report No. MA 2108-1251**

MasterTop 1912
Outgassing VOC/SVOC
ISO-ACC_m Class -7.6/-7.3

FLOORING & COATING

Single product Outgassing Behavior VOC/SVOC

Qualification Certificate

We hereby certify that the material stated above, provided by

**Master Builders Solution Deutschland
GmbH**
Oldenburg, Germany

has been awarded the Fraunhofer IPA CSM Certificate of Qualification with the report number MA 2108-1251.

The outgassing behavior of MasterTop 1912 (color: RAL 7040 (top coat), RAL 7032 (coating)) 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	2.3 x 10 ⁻⁸	4.0 x 10 ⁻⁵	-7.6
SVOC	5.6 x 10 ⁻⁸	4.5 x 10 ⁻⁵	-7.3
Amines	< 2.8 x 10 ⁻¹⁰	< 1.7 x 10 ⁻⁹	--
Organophosphates	< 2.8 x 10 ⁻¹⁰	< 1.7 x 10 ⁻⁹	--
Siloxanes	< 2.8 x 10 ⁻¹⁰	< 1.7 x 10 ⁻⁹	--
Phthalates	< 2.8 x 10 ⁻¹⁰	< 1.7 x 10 ⁻⁹	--

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.

MA 2108-1251
Report No. first document

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Report No. current document

Stuttgart, February 16, 2022
Place, date of first document issued

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Place, current date

on behalf of 
Dr.-Ing. Udo Gommel, Project Manager Fraunhofer IPA