



Remmers GmbH  
Report No. RE 1808-1062

# Cleanroom<sup>®</sup> Suitable Materials

Epoxy OS Color  
Outgassing VOC/SVOC  
ISO-ACC<sub>m</sub> Class -6.3 / < -9.6

## FLOORING & COATING

### Outgassing Behavior VOC/SVOC

### Qualification Certificate

We hereby certify that the material stated above, provided by

Remmers GmbH  
Löningen, Germany

has been awarded the Fraunhofer IPA CSM Certificate of Qualification with the report number RE 1808-1062.

The Outgassing Behavior of Epoxy OS Color (color: light gray) at the stated temperatures was investigated according to VDI 2083 Part 17. 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 <sub>a</sub> <sup>1)</sup> 23 °C [g/m <sup>2</sup> s]	SER <sub>a</sub> <sup>1)</sup> 90 °C [g/unit·s]	ISO-ACC <sub>m</sub> Class (x) based on 23 °C
VOC	4.9 x 10 <sup>-7</sup>	8.4 x 10 <sup>-5</sup>	-6.3
SVOC	< 2.8 x 10 <sup>-10</sup>	2.4 x 10 <sup>-6</sup>	< -9.6
Amines	not detectable <sup>2)</sup>	not detectable <sup>3)</sup>	--
Organophosphates	not detectable <sup>2)</sup>	not detectable <sup>3)</sup>	--
Siloxanes	not detectable <sup>2)</sup>	not detectable <sup>3)</sup>	--
Phthalates	not detectable <sup>2)</sup>	not detectable <sup>3)</sup>	--

<sup>1)</sup> SER<sub>a</sub>: Area-specific emission rate <sup>2)</sup> detection limit: <2.8 x 10<sup>-10</sup> <sup>3)</sup> detection limit: <1.7 x 10<sup>-9</sup>

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Place, date of first document issued

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Report No. current document

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Place, current date

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

DUPLICATE

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](http://www.tested-device.com).

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