



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

nora systems GmbH  
Report No. NO 1711-969

**norament 926 grano**  
Outgassing VOC/SVOC  
ISO-ACC<sub>m</sub> Class -6.8/-8.8

## FLOORING & COATING

### Outgassing Behavior VOC/SVOC

### Qualification Certificate

We hereby certify that the material stated above, provided by

**nora systems GmbH**  
Weinheim, Germany

has been awarded the Fraunhofer IPA CSM Certificate of Qualification with the report number NO 1711-969.

The outgassing behavior of norament 926 grano (color: 4882) 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/m <sup>2</sup> s]	ISO-ACC <sub>m</sub> Class (x) based on 23 °C
VOC	1.8 x 10 <sup>-7</sup>	6.9 x 10 <sup>-7</sup>	<b>-6.8</b>
SVOC	1.5 x 10 <sup>-9</sup>	2.8 x 10 <sup>-8</sup>	<b>-8.8</b>
Amines	< 2.8 x 10 <sup>-10</sup>	< 4.6 x 10 <sup>-9</sup>	--
Organophosphates	< 2.8 x 10 <sup>-10</sup>	< 4.6 x 10 <sup>-9</sup>	--
Siloxanes	< 2.8 x 10 <sup>-10</sup>	< 4.6 x 10 <sup>-9</sup>	--
Phthalates	< 2.8 x 10 <sup>-10</sup>	< 4.6 x 10 <sup>-9</sup>	--

<sup>1)</sup> SER<sub>a</sub>: Area-specific emission rate

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.

DUPLICATE

NO 1711-969  
Report No. first document

--  
Report No. current document

Stuttgart, February 28, 2018  
Place, date of first document issued

--  
Place, current date

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