



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

ContiTech  
Report No. CO 1711-972

Conti Thermo-Protect  
Outgassing Ammoniac  
ISO-ACC<sub>m</sub> Class <-8.5

## FLOORING & COATING

### Outgassing Behavior Ammoniac

### Qualification Certificate

We hereby certify that the material stated above, provided by

**ContiTech Elastomer-Beschichtungen GmbH**  
Northeim, Germany

has been awarded the Fraunhofer IPA CSM Certificate of Qualification with the report number CO 1711-972.

The outgassing behavior of Conti Thermo-Protect (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/m <sup>2</sup> s]	ISO-ACC <sub>m</sub> Class (x) based on 23 °C
Ammoniac (NH <sub>3</sub> )	< 2.9 x 10 <sup>-9</sup>	< 2.9 x 10 <sup>-9</sup>	< -8.5

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

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.

CO 1711-972  
Report No. first document  
--  
Report No. current document

Stuttgart, February 27, 2018  
Place, date of first document issued  
--  
Place, current date

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