

**Tremco CPG Europe** Report No. TR 2501-1581

# Cleanroom Suitable **Materials**

Peran/Flowshield SL

**Outgassing Behavior VOC/SVOC** ISO-ACC<sub>m</sub> Class -6.3/-5.7

## **FLOORING & COATING**

# Single product **Outgassing Behavior** VOC/SVOC

### **Qualification Certificate**

We hereby certify that the material stated above, provided by

#### Tremco CPG Europe

Bodenwoehr, Germany

has been awarded the Fraunhofer IPA CSM Certificate of Qualification with the report number TR 2501-1581.

The outgassing behavior of Peran/Flowshield SL (color: 222, goosewing gray) at the stated temperature was investigated according to VDI 2083 Part 17, ISO 14644-15 and ISO 16000-25. 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> ¹) 23°C [g/m²s]	ISO-ACC <sub>m</sub> Class (x) based on 23°C
VOC	4.6 x 10 <sup>-7</sup>	-6.3
SVOC	1.8 x 10 <sup>-6</sup>	-5.7
Sum of VOC and SVOC	2.3 x 10 <sup>-6</sup>	
Refractories <sup>2)</sup>	2.1 x 10 <sup>-9</sup>	
Siloxanes <sup>3)</sup>	2.1 x 10 <sup>-9</sup>	

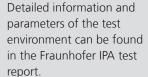
- SER<sub>a</sub>: Area-specific emission rate <sup>1)</sup> The emission rate is calculated using the detected mass based on the response of the standard, the analyzed sample surface area or number of samples and the sampling
- <sup>2)</sup> Refractories are compounds containing elements other than C, H and O (e.g. S, P, N...).
- <sup>3)</sup> Siloxanes and other Si-containing organic substances. Siloxanes also count as refractories.

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Stuttgart, May 22, 2025 Place, date of first document issued

Place, current date

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