



Sino Polymer Co., Ltd
Report No. SI 2506-1635
Cleanroom (atmospheric)

Cleanroom[®] Suitable Materials

HuaChang Wallcoat HMX
Outgassing Behavior VOC/SVOC
ISO-ACC_m Class -8.9 / < -9.6

Single product
Outgassing Behavior
VOC/SVOC

Qualification Certificate

We hereby certify that the material stated above, provided by

Sino Polymer Co., Ltd
Shanghai, China

has been awarded the Fraunhofer IPA CSM Certificate of Qualification with the report number SI 2506-1635.

The outgassing behavior of HuaChang MFE Cleanroom Wallcoat HMX (color: RAL9010) 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 _a ¹⁾ 23 °C [g/m²s]	ISO-ACC _m Class (x) based on 23 °C
VOC	1.4 x 10 ⁻⁹	-8.9
SVOC ²⁾	< 2.8 x 10 ⁻¹⁰	< -9.6
Sum of VOC + SVOC	1.4 x 10 ⁻⁹	--
Refractories ³⁾	< 2.8 x 10 ⁻¹⁰	--
Siloxanes ⁴⁾	< 2.8 x 10 ⁻¹⁰	--

¹⁾ 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 duration.

²⁾ according ISO 16000-25, SVOC is the sum of airborne and condensing SVOC

³⁾ Refractories are compounds containing elements other than C, H and O (e.g: S, P, N, Si...).

⁴⁾ Siloxanes and other Si-containing organic substances. Siloxanes also count as refractories.

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on behalf of 
Dr.-Ing. Frank Bürger, head of business unit Testing and Certification

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.