

Nuplex Construction Report No. NU 1310-671

Cleanroom® Suitable **Materials**

Sureshield Outgassing VOC (23°C/90°C): ISO-ACC_m class -6.9 / tested

Flooring & Coating



Qualification Certificate

We hereby certify that the material stated above, provided by

Nuplex Construction Products Christchurch, New Zealand

has been awarded the Fraunhofer IPA CSM Certificate of Qualification with the report number NU 1310-671.

Sureshield (Natural Gold; PR307706) was tested regarding outgassing at various temperatures according to VDI 2083-17. The tested material obtained the following classification:

| Test tem- peratures | Family of contaminants | Specific emissi- on rate [g/m ² s] | ISO-AMC _m Class (x) |
|------------------------|------------------------|--|-----------------------------------|
| 23°C/ 73°F | VOC | 1.4 x 10 ⁻⁷ | -6.9 |
| 90°C/ 194°F | Amines | not detectable | |
| | Organo-phosphates | not detectable | |
| | Siloxanes | not detectable | |
| | Phthalates | 5.3 x 10 ⁻⁸ | |

Detailed information regarding specific product data such as date of manufacture, color, and serial number as well as test environment and parameters can be obtained from the CSM test report issued by the Fraunhofer-Gesellschaft.

Stuttgart, December 12, 2013

i. A. Project manager



The validity of this certificate is temporary indefinite and limited to the named product. It can be verified on www.tested-device.com.

For more CSM information, please visit www.ipa-csm.com.