



Fraunhofer

**TESTED[®]
DEVICE**

ISOONE
KILLBAC

Report No. LA 2411-1574

DUPLICATE

Statement of
Qualification

Single product
Chemical Resistance

Customer

La Manufacture de France SAS -ISOONE
18 rue Jean Monnet
3124 Saint-Jean
France

Tested product

Category:

Materials

Subcategory:

Coatings

Product name:

Coating KILLBAC
(manufacturing date: 5/5/2025; color: RAL 9003; article number: ISOSPE-22625ACC)

Chemical resistance test

Standards/guidelines:

VDI 2083 Part 17; ISO 2812-1; ISO 4628-1
The norms stated generally refer to the version valid at the time of the tests.

Test equipment:

- Microscope
- Camera

Test environment parameters:

Temperature:.....22 °C ±0.5 °C

Test procedure parameters:

Spot method:

- Chemicals:.....Formalin 37 %
.....Ammoniac 25 %
.....Hydrogen peroxide 30 %
.....Sulfuric acid 5 %
.....Phosphoric acid 30 %
.....Peracetic acid 15 %
.....Hydrochloric acid 5 %
.....Isopropanol 100 %
.....Sodium hydroxide 5 %
.....Sodium hypochlorite 5 %
- Incubation time: 1 h, 3 h, 6 h, 24 h

Test result / Classification

The chemical resistance of the Coating KILLBAC was classified according to ISO 4628-1 and VDI 2083 Part 17 with the following result:

Chemical resistance	1 h	3 h	6 h	24 h
Formalin 37 %	0	0	0	0
Ammoniac 25 %	0	0	0	0
Hydrogen peroxide 30 %	0	0	0	0
Sulfuric acid 5 %	0	0	0	0
Phosphoric acid 30 %	0	0	0	0
Peracetic acid 15 %	0	0	0	0
Hydrochloric acid 5 %	0	0	0	0
Isopropanol 100 %	0	0	0	0
Sodium hydroxide 5 %	0	0	0	0
Sodium hypochlorite 5 %	0	0	0	0

The classification is based on a worst-case consideration. In the process, damage was assessed according to the classification system used in ISO 4628-1 and VDI 2083 Part 17:

0 = excellent

1 = very good

2 = good

3 = weak

4 = very weak

5 = none

The measuring devices used for the qualification tests are calibrated at regular intervals; their results can be traced back to national and international standards. In cases where no national standards exist, the test procedure implemented complies with the technical regulations and norms applicable at the time of the test. The relevant documentation can be viewed on request at any time.

Detailed information and parameters of the test environment can be found in the Fraunhofer IPA test report.

Fraunhofer Institute for Manufacturing Engineering and Automation IPA

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Stuttgart, August 14, 2025
Place, date of first document issued

Business unit Testing and Certification

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Report No. current document

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Place, current date

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