



valid until: February 6, 2031

Fraunhofer

TESTED[®] DEVICE

Ritterwand GmbH & Co. KG
PE powdercoating PO-658-9010-001
Report No. RI 2603-1734

Single product Hydrogen Peroxide Absorption/Desorption

Qualification Certificate

This is to certify that the product mentioned above, provided by

Ritterwand GmbH & Co. KG
Nufringen, Germany

has been awarded a Fraunhofer certificate TESTED DEVICE bearing the report number RI 2603-1734.

The hydrogen peroxide absorption/desorption of Polyester powdercoating PO-658-9010-001 (color: RAL 9010) was investigated with the stated test parameters. Using the procedure laid down in VDI 2083 Part 20, the following test result was obtained:

Ø k-value [min]	Standard deviation [min]	Classification
2.36	0.43	non-absorptive

The k-value represents the required decay time to reduce the hydrogen peroxide vapor concentration measured at the beginning of the aeration phase to one tenth of the original concentration. The material classification is based on three separate measurements. The blank value of the test setup is subtracted from each measurement value.

RI 2603-1734
Report No. first document

Stuttgart, February 6, 2026
Place, date of first document issued

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Report No. current document

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Place, current date

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

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.

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