

TEST LABORATORY



SÄCHSISCHES
TEXTIL
FORSCHUNGS
INSTITUT e.V.

The test laboratory is accredited in compliance with DIN EN ISO/IEC 17025 by the Deutsche Akkreditierungsstelle GmbH. The accreditation is also valid for products of Regulation EU 2016/425. Test methods not included in the scope of accreditation are marked by a *.



TEST REPORT

Order no. STFI:	P2025 2417.3
Order no. applicant:	none
Report date:	20 th November 2025
Testing officer:	Reinhardt
Applicant:	Zimmer+Rhode GmbH Frau Meike Ludwig Zimmersmühlenweg 14-18 61440 Oberursel
Testing application:	
of:	3 rd November 2025
order receipt on:	3 rd November 2025
sample receipt on:	11 th November 2025

Material to analyse:

signed by client	code for order processing
Reflekt FR RE colour: 3103	P2417_25_7

Sampling was carried out by the client; the testing laboratory has no information on this.

Analysis content:

- (1) Measurement of translucent areas (openings) of fabric structure in accordance with test method PM 20 (DIN EN 14500: 2021-09). The relation of openings to the total area, consisting of fabric material and openings, defines the "openness factor" according to ASHRAE Fundamentals: 2001, p. 30.49. The method includes image-analytical field measurements on flat structures in transmitted/incident light under diffuse illumination.

Conditions for the openness factor:

For each sample 10 images are recorded, detected as binary images and concerning their area parts analysed. In the case of the present sample measuring areas of 8,2 mm² were used for the calculation, so that in total an area of 0,82 cm² was analysed.

Equipment:

- Microscope (Co. Wild)
- Image analysis system Vidmess (Co. Thalheim Spezialoptik)

Test results:**(1) Openness factor**

Code	area parts of openings [mm ²]		relative area parts of openings [%] („openness factor“)	
	mean value	standard deviation	mean value	standard deviation
P2417_25 7	1,55	0,11	18,9	1,3

Further information on the test procedures or results are available at the accredited testing laboratory and can be provided to the client upon request.

The test results refer to the delivered specimen. This test report shall not be published in parts. The testing period is defined as timeframe between receipt of the sample and issue date of test report.

All materials received in connection with this order will be stored for a maximum period of six months unless agreed otherwise. Exempted from this practice are materials which will not be stored due to technical or safety-related reasons.



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