

TFI-Report 23-001370-02

Functional and Quality Testing

Customer Kvadrat AS
Lundbergsvej 10
8400 Ebeltøft
DK

Product Textiler Bodenbelag/Textile floor covering
Yield with additional backing

This report includes 6 pages.



Aachen, 22.12.2023

Dr. Andreas Zoëga
Head of Testing Laboratory



The present document is provided with an advanced electronic signature.

This report only applies to the tested samples and has been established to the best of our knowledge. Only the entire report shall be reproduced. Under no circumstances, extracts shall be used. Furthermore, we apply the "General Terms and Conditions for the Execution of Contracts" of the TFI Aachen GmbH, also with regard to the order execution.

The test result does not include any addition or deduction for uncertainties due to measurement, sample preparation, sample collection and production tolerances.

1 Transaction

Order date	11.12.2023
Your reference	Simonetta Rochetti
Product designation	Yield with additional backing
Charge	-
Item number	-
TFI sample number	2302076

Date of sample receipt	11.12.2023
Sampling performed by	Auftraggeber/Customer

Testing period 19.12.2023 - 21.12.2023

Test order:

Castor chair test according EN 985 / EN ISO 4918 ^a

a ... Die mit a gekennzeichnete Prüfung basiert auf nach EN ISO/IEC 17025 akkreditierten Prüfungen./The test marked a are based on tests accredited in accordance with EN ISO/IEC 17025.

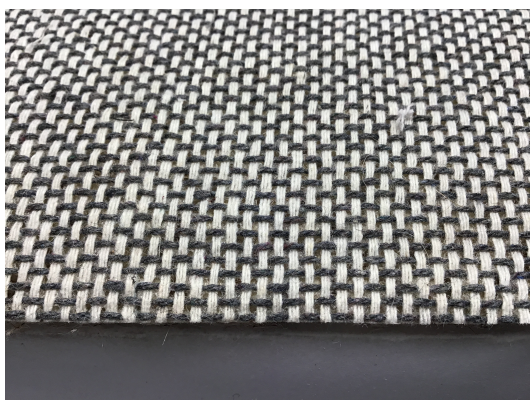
Responsible at TFI:



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2 Product description

TFI sample number 2302076



Total thickness in mm	5,40
Total mass per unit area in g/m ²	1681
Type of delivery	abgepasst/rug

3 Results

Castor chair suitability

not suitable

The measurement results are evaluated without consideration of the measurement uncertainty with reference to compliance with limit values, unless otherwise specified by the test standard.

4 Partial Reports

Castor chair test according to EN 985 / EN ISO 4918

Partial Report S - Castor Chair

1 Transaction

TFI sample number 2302076

2 Test Method / Requirements

EN 985:2001 / EN ISO 4918:2021 Castor chair suitability / Resilient, textile and laminate floor coverings – Castor chair test

Deviations

- Test climate according EN ISO 139
- No individual results of assessors given

Type of castors Type H

Test method A : Determination of the wear behaviour

Test climate $(20 \pm 2) ^\circ\text{C}$ / $(65 \pm 4) \%$ rel. humidity

History of the sample not known

Assessment scale ISO loop

3 Results

3.1 Test A

Assessment of structural integrity

Type of damage	Degree of damage	
	5,000 cycles	25,000 cycles
Detachment, rucking or cracking	none	strong
Delamination*	none	strong
Scuffing or delamination of the foam backing	none	none
Loss of adhesion and/or pulverisation of the binding agents	none	none
Damage of the material as a whole	none	strong

Comments: none

*In case of delamination, the test will be considered as failed.

Assessment of change in appearance

Parameter	5,000 cycles		25,000 cycles	
	Mean value	Median value	Mean value	Median value
Assessment Grade	3.3	3.5	2.2	2
Change in colour	2.8	3	2.3	2-3
Dominant factor(s):	structure, colour		structure, colour	

Comments: none

Castor chair index

not suitable because of structural damages