

TFI-Report 25-000225-03

Functional and Quality Testing

Customer Kvadrat AS
 Lundbergsvej 10
 8400 Ebeltoft
 DK

Product Textiler Bodenbelag/Textile floor covering
 Sia Outdoor, col. 0262

This report includes 5 pages.



Aachen, 19.03.2025

Dr. Jacqueline Lemm



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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 06.02.2025
Your reference Martina Novotna
Product designation Sia Outdoor, col. 0262

TFI sample number 2500229

Date of sample receipt 10.02.2025
Sampling performed by Auftraggeber/Customer

Testing period 11.03.2025 - 18.03.2025

Test order:

Change in appearance according ISO 10361 - Hexapod ^a

a ... Die mit a gekennzeichneten Ergebnisse basieren auf nach EN ISO/IEC 17025 akkreditierten Prüfungen./The reports 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 2500229



Total thickness in mm * Ca. 6
Total mass per unit area in g/m² * 2000
Type of delivery In Probengröße angeliefert/Supplied
in sample size

Sample setup

*Angabe des Auftraggebers/Customer Information



3 Results

Change in appearance median - Shortterm Hexapod	3
Change in appearance median - Longterm Hexapod	2

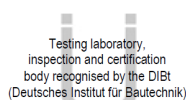
The measurement results are evaluated without consideration of the measurement uncertainty with reference to compliance with limit values, unless otherwise specified by the test standard.

4 Partial Reports

Change in appearance according ISO 10361 - Hexapod



Notified Body
No. 1656



Testing laboratory,
inspection and certification
body recognised by the DIBt
(Deutsches Institut für Bautechnik)



Accredited for the methods indicated in
the partial reports to the DAKkS certificate

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Dr. Jacqueline Lemm

Partial Report AV - Changes In Appearance

1 Transaction

TFI sample number 2500229

2 Test Method / Requirements

ISO 10361:2015	Production of changes in appearance by means of Vettermann drum and hexapod tumbler tester
Assessment standard	EN ISO 9405:2017
Deviation	<ul style="list-style-type: none"> No individual results of assessors given
Test method	method B (Hexapod)
Type of underlay	none
Number of assessors	3
Type of vacuum cleaner	Vorwerk Kobold VT270 / EB370
Assessment scale	ISO loop

3 Results

Parameter	Short-term wear (4,000 cycles)		Long-term wear (12,000 cycles)	
	Mean value	Median value	Mean value	Median value
Assessment	3.0	3.0	2.0	2.0
Grey Scale	3.2	3	2.7	2-3
Dominant property	structure, colour		structure, colour, roughness	
Classification according EN 1307, table 15	class 22			
Classification according EN 14215, table 3	class 21			

Comments / special observations: none