

# TFI-Report 23-000740-01

## Functional and Quality Testing

Customer Kvadrat AS  
Lundbergsvej 10  
8400 Ebeltøft  
DK

Product Textiler Bodenbelag/Textile floor covering  
March

This report includes 6 pages.



Aachen, 17.07.2023

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	23.06.2023
Your reference	Martina Novotna
Product designation	March

TFI sample number	2301028
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Date of sample receipt	27.06.2023
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Testing period	06.07.2023 - 12.07.2023
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### Test order:

#### Change in appearance according ISO 10361 <sup>a</sup>

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:**

A handwritten signature in blue ink, appearing to read 'MSL'.

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## 2 Product description

TFI sample number

2301028



Total thickness in mm

\* 42,00

Total mass per unit area in g/m<sup>2</sup>

\* 3300

Type of delivery

abgepasst/rug

\*Angabe des Auftraggebers/Customer Information

### 3 Results

Change in appearance (median) - shortterm	4
Change in appearance (median) - longterm	3.5

### 4 Partial Reports

Changes in appearance according to ISO 10361

## Partial Report AV - Changes In Appearance

### 1 Transaction

TFI sample number 2301028

### 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"> <li>No individual results of assessors given</li> </ul>
Test method	method B (Hexapod)
Type of underlay	none
Number of assessors	3
Type of vacuum cleaner	Vorwerk Kobold VT270 / EB370 with rotating brush
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	3.8	4	3.3	3.5
Grey Scale	3.8	4	3.3	3-4
Dominant property	structure, colour		structure, colour	
Classification according EN 1307, table 5	class 33			
Classification according EN 14215, table 3	class 22			

Comments / special observations: none