

Test Report

Report Number:
126360-2-TEX



**DANISH
TECHNOLOGICAL
INSTITUTE**

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Init.: CHF/LELN
Order no.: 126360
Encl.: 0

Assignor: KINNASAND GMBH, Danziger Strasse 6 , D-26655 Westerstede, Germany

Material: Samples of rugs designated: July Product No:20133. See page 2 for detailed sample description.

Sampling: The assignor confirms having selected the product. The product was forwarded by the assignor and received at Danish Technological Institute on 28 February 2022.

Period: The test took place from 1 March 2022 to 30 March 2022.

Method: The test methods used are referenced in connection with the results. See page 4.

Test results: The results are shown on page 4.

Terms: This test was conducted accredited in accordance with international requirements (ISO/IEC 17025:2017) and in accordance with the General Terms and Conditions of Danish Technological Institute. The test results solely apply to the tested item. This test report may be quoted in extract only if Danish Technological Institute has granted its written consent.

Place: Danish Technological Institute, Taastrup, Environmental Technology

Signature: This document is only valid with a digital signature from Danish Technological Institute. The date of issue appears from the digital signature.

Charlotte Fischer
Senior Consultant



DIGITALLY SIGNED DOCUMENT

31 March 2022

DANISH TECHNOLOGICAL INSTITUTE

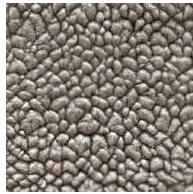


DANAK

TEST Reg.no. 2






Samples

Sample mark	Description	Photo
110	Sample of rug Designated: July 0110 Wool white	
130	Sample of rug Designated: July 0130 Pebble	
140	Sample of rug Designated: July 0140 Stone	
190	Sample of rug Designated: July 0190 Charcoal	
220	Sample of rug Designated: July 0220 Almond	
330	Sample of rug Designated: July 0330 Mouse	



Samples (*continued*)

Sample mark	Description	Photo
570	Sample of rug Designated: July 0570 Brick	
780	Sample of rug Designated: July 0780 Indigo	
960	Sample of rug Designated: July 0960 Peacock	



Results

Test of Samples of rugs designated: July Product No:20133

Colour fastness to artificial light: Xenon arc fading lamp test

EN ISO 105-B02:2014 Method 2

1-8 scale, 8 best rating

Test apparatus: Atlas Ci4000 Xenon Weather-Ometer

Sample mark	Colour fastness
110	7
130	6-7
140	6
190	6
220	6
330	6
570	7
780	7
960	6

Colour fastness to rubbing

EN ISO 105-X12:2016

Test conditions: 21°C, 65% RH

1-5 scale, 5 best rating

Rubbing finger: Cylinder 16 mm

Force: 9 N

Staining Sample mark	Warp direction		Weft direction	
	Dry rubbing	Wet rubbing	Dry rubbing	Wet rubbing
110	4-5	4-5	4-5	4-5
130	4-5	4-5	4-5	4-5
140	4-5	4-5	4-5	4-5
190	4-5	4-5	4-5	4-5
220	4-5	4-5	4-5	4-5
330	4-5	4-5	4-5	4-5
570	4-5	4-5	4-5	4-5
780	4-5	4-5	4-5	4-5
960	4-5	4-5	4-5	4-5



Colour fastness to water

EN ISO 105-E01:2013

Test conditions: 21°C, 65% RH

1-5 scale, 5 best rating

Sample	Adjacent fabric	Staining of	Rating
110	Multifibre DW ISO 105-F10:1989 + ISO 105-F10:1989/AMD 1:2009	Acetate: Cotton: Polyamide: Polyester: Acrylic: Wool: Change in colour:	5 5 5 5 5 5 4-5
130	Multifibre DW ISO 105-F10:1989 + ISO 105-F10:1989/AMD 1:2009	Acetate: Cotton: Polyamide: Polyester: Acrylic: Wool: Change in colour:	5 5 5 5 5 5 5
140	Multifibre DW ISO 105-F10:1989 + ISO 105-F10:1989/AMD 1:2009	Acetate: Cotton: Polyamide: Polyester: Acrylic: Wool: Change in colour:	4-5 4-5 4-5 4-5 4-5 4-5 4-5
190	Multifibre DW ISO 105-F10:1989 + ISO 105-F10:1989/AMD 1:2009	Acetate: Cotton: Polyamide: Polyester: Acrylic: Wool: Change in colour:	4 3 2 4 4-5 3-4 4-5
220	Multifibre DW ISO 105-F10:1989 + ISO 105-F10:1989/AMD 1:2009	Acetate: Cotton: Polyamide: Polyester: Acrylic: Wool: Change in colour:	4-5 4-5 4-5 4-5 4-5 4-5 4-5



Colour fastness to water (continued)

Sample	Adjacent fabric	Staining of	Rating
330	Multifibre DW ISO 105-F10:1989 + ISO 105-F10:1989/AMD 1:2009	Acetate: Cotton: Polyamide: Polyester: Acrylic: Wool: Change in colour:	4-5 4 4-5 4-5 4-5 4-5 4-5
570	Multifibre DW ISO 105-F10:1989 + ISO 105-F10:1989/AMD 1:2009	Acetate: Cotton: Polyamide: Polyester: Acrylic: Wool: Change in colour:	4-5 3-4 3 4-5 4-5 4 4-5
780	Multifibre DW ISO 105-F10:1989 + ISO 105-F10:1989/AMD 1:2009	Acetate: Cotton: Polyamide: Polyester: Acrylic: Wool: Change in colour:	4-5 4 3 4-5 4-5 4 4-5
960	Multifibre DW ISO 105-F10:1989 + ISO 105-F10:1989/AMD 1:2009	Acetate: Cotton: Polyamide: Polyester: Acrylic: Wool: Change in colour:	4-5 4 3 4-5 4-5 4 4-5