Test Report

Revision 1

Report Number:
230785-3-TEX rev. 1

DANISH
TECHNOLOGICAL
INSTITUTE

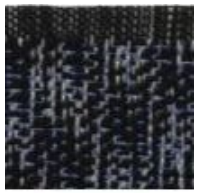
Gregersensvej 1
DK-2630 Taastrup
+45 72 20 20 00
info@teknologisk.dk
www.teknologisk.dk

Assignor:	KVADRAT A/S, Lundbergsvej 10, DK-8400 Ebeltoft
Material:	Samples of rugs designated: Echo. 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 13 December 2023.
Period:	The test took place from 14 December 2023 to 19 January 2024.
Method:	The test methods used are referenced in connection with the results. See page 3.
Test results:	The results are shown from page 3 onwards.
Remarks:	This report replaces Report no. 230785-3 of 04.01.2024. Result for colour fastness to light has been addede to the report
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
19 January 2024
DANISH TECHNOLOGICAL INSTITUTE

ilac-MRA DANAK
TEST Reg.no. 2

Samples

Sample mark	Description	Photo
0115	Sample of rug Designated: Echo Material: 100% NZ wool	
0145	Sample of rug Designated: Echo Material: 100% NZ wool	
0225	Sample of rug Designated: Echo Material: 100% NZ wool	
0295	Sample of rug Designated: Echo Material: 100% NZ wool	
0525	Sample of rug Designated: Echo Material: 100% NZ wool	
0775	Sample of rug Designated: Echo Material: 100% NZ wool	

Results

Test of Samples of rugs designated: Echo

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
0115	6
0145	7
0225	6
0295	7
0525	7
0775	7

Colour fastness to rubbing

EN ISO 105-X12:2016 | Test conditions: 21°C, 65% RH | Conditioning time: 24 h | Soak: 100%
1-5 scale, 5 best rating | Rubbing finger: Cylinder 16 mm | Force: 9 N

Staining	Warp direction		Weft direction	
Sample	Dry rubbing	Wet rubbing	Dry rubbing	Wet rubbing
0115	4-5	4-5	4-5	4-5
0145	4-5	4	4-5	4
0225	4-5	4-5	4-5	4-5
0295	4-5	3-4	4-5	3-4
0525	4	3-4	4	3-4
0775	4	3	4	3

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
0115	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
0145	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 4 4-5 4 4-5
0225	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
0295	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 4-5 4-5 4 4-5

Colour fastness to water (continued)

Sample	Adjacent fabric	Staining of	Rating
0525	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 4-5 4-5 4 4-5
0775	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 4-5 4-5 4 4-5