



Confidential Report

Our Ref: 29/03599A/05/25



Date: 12 June 2025

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Client: Kvadrat A/S

Lundbergsvej 10
8400 Ebeltoft
Denmark

Job Title: Martindale Abrasion Resistance Test on One Sample of Fabric

Clients Order Ref: --

Date of Receipt: 19 May 2025

Description of Sample: One sample of fabric, referenced; Moss, Colour: 0011, stated to be: 52% Cotton, 22% Viscose, 14% Polyacrylic, 6% Linen, 3% Polyester, 3% Nylon.

Work Requested: We were asked to make the following test(s):

Martindale Abrasion Resistance - BS EN ISO 12947-2

- * subcontracted test, UKAS accredited
- ** subcontracted test, EN ISO/IEC 17025 accredited
- *** not UKAS accredited



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Note: This report relates only to the items tested.

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Our laboratories are accredited to EN ISO/IEC 17025.

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Client: **Kvadrat A/S****Determination of the Abrasion Resistance of Fabrics by the Martindale Method – Part 2:
Determination of Specimen Breakdown (BS EN ISO 12947-2: 2016)**

Four specimens from the sample were tested, under a nominal pressure of 12 kPa(795±7g) in accordance with BS EN ISO 12947-2:2016, using a Martindale abrasion tester as described in BS EN ISO 12947-1:1998.

Foam was not used to back the test specimens. Specimen breakdown (end point) was reached when two threads had completely broken. The change of shade of the test specimens was assessed in accordance with ISO 105-A02.


Individual results (number of rubs to end point)50,000
60,000
70,000
60,000

Observations during testing: --
Assessment: maximum colour change at 3,000 rubs: grey scale 4-5
Result*: 50,000
Type of fabric: Flat woven

* The quoted result is the lowest individual test result of all the test specimens tested.

Where required to make a judgement to any pass/fail criteria an estimation of uncertainty of measurement has been taken into account. Under our Policy we have used a non-binary decision rule.

See our decision rules Policy (<https://www.bttg.co.uk/about-us/decision-rules-policy/>) for further information.

Reported by:.......... K Marshall, Section LeaderCountersigned by:.......... J Brewster, Section Leader

Enquiries concerning this report should be addressed to Customer Services.



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Uncertainty Budget

The overall uncertainty budget for BS EN ISO 12947-2 is as follows:-

Specimen breakdown

± 20 %

Shade change

± 0.5 Grade



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