



Confidential Report

Our Ref: 29/03526B/01/25



Date: 19 February 2025

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Client: **Kvadrat A/S**

Lundbergsvej 10
8400 Ebeltøft
Denmark

Job Title: Abrasion Resistance Test on One Sample of Fabric

Clients Order Ref: --

Date of Receipt: 31 January 2025

Description of Sample: One sample of fabric, referenced; Technicolour | 370, Stated to be: 100% New English wool, worsted.

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

Abrasion Resistance - BS EN ISO 12947-2

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

Note: This report relates only to the items tested.



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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 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)

80,000

80,000

80,000

80,000

Assessment: maximum colour change at 3,000 rubs: grey scale 4-5

Result*: 80,000

Type of fabric: Flat Woven

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



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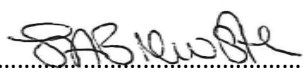
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Where required to make a judgement to any pass/fail criteria an estimation of uncertainty of measurement has been taken into account. Under our Policy we have used a non-binary decision rule.

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

Reported by:  K Marshall, Section Leader

Countersigned 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

$\pm 20 \%$

Shade change

± 0.5 Grade



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