



## TEST REPORT

**Client:** Steven Hargreaves Textile Group Ltd  
Overbrook House  
14 Brookes Lane  
Whalley  
Lancashire  
BB7 9RG

**Entry No:** 72422

**Date received:** 02/11/2015

**Client's Description:** Sample of fabric: October 2015 production. Elland Stripe Mattress Ticking. Colour Blue / Cream / Brown Stripe, Twill weave 100% Cotton

**Test Required:** Tensile Strength, Tear Resistance, Colour Fastness to Perspiration and Colour Fastness to Rubbing in accordance with BS EN 14976: 2005

**Conditioning:** In accordance with BS EN ISO 139 : 2005 for a minimum of 24 hours at 65+/4%, Relative Humidity, 20+/-2°C

**Date Tests Completed:** 04/11/2015

**Tensile Strength:** BS EN ISO 13934-1: 1999

Warp Way	<b>1000 N</b>
Weft Way	<b>500 N</b>

**Comments**

When compared with BS EN 14976: 2005 this sample of fabric satisfies the Tensile requirements (min 350N).

**Tear Resistance:** BS EN ISO 13937-2: 2000

Torn across Warp	<b>41 N</b>
Torn across Weft	<b>34 N</b>

**Comments**

When compared with BS EN 14976: 2005 this sample of fabric satisfies the Tear requirements (min 15N).

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*This is hereby certified to be a correct return of the tests made of the items referred to herein*

Vivienne Brockbank  
Senior Technician  
05 November 2015

- ❖ Unless instructed otherwise by the client sample remnants will be disposed of after 28 days.
  - ❖ Tests marked <sup>N</sup> in this certificate are not included in the UKAS Accreditation Schedule for this Laboratory.
  - ❖ Tests marked <sup>F</sup> in this certificate are performed under the Laboratory's Flexible Scope of Accreditation.
  - ❖ Tests marked <sup>S</sup> in this certificate have been subcontracted to another ISO17025 Accredited Laboratory.
  - ❖ Opinions and interpretations expressed herein are outside the scope of UKAS accreditation.
  - ❖ Uncertainty budgets for test methods contained within this report are available on request.
- This Certificate relates only to the sample received and, unless that sample has been drawn by the staff of this laboratory, or its agent, and endorsed accordingly, any application of the result to a bulk quantity or other material is entirely the responsibility of the client.



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**Colour Fastness to Perspiration:** BS EN ISO 105–E04:1994

Staining on:	Acid (purple / ground)	Acid (brown / ground)	Alkali (purple / ground)	Alkali (brown / ground)
Acetate	5	5	5	5
Cotton	5	5	5	4-5
Nylon 6.6	5	5	5	5
Polyester	5	5	5	4-5
Acrylic	5	5	5	5
Wool	5	5	5	5
Change in Colour	5	5	5	5

**Comments**

When compared with BS EN 14976: 2005 this sample of fabric satisfies the Colour Fastness to Perspiration requirements (acid min 3-4, alkali min 3-4).

**Colour Fastness to Rubbing:** BS EN ISO 105–X12:2001

	<u>Dry</u>	<u>Wet</u>
Warp Way (Brown)	5	4
Warp Way (Purple)	5	4
Warp Way (Ground)	5	4-5

**Comments**

When compared with BS EN 14976: 2005 this sample of fabric satisfies the Colour Fastness to Rubbing requirements (dry min 4, wet min 3-4)

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