



Confidential Report

Our Ref: 60/01231



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Notified Body
for PPE Directive,
Construction Products Regulation
& Marine Equipment Directive
I.D. No. 0338 & 0339



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Date: 04 July 2017

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Client: Camira Fabrics Limited
The Watermill
Wheatley Park
Mirfield
WEST YORKSHIRE
WF14 8HE

Job Title: Flexing on one sample

Client's Order No: 6331

Date of Receipt: 21st June 2017
Date of Test Start: 28th June 2017

Description of Sample(s): One brown coloured, laminated material, identified as follows, was received for testing:

Vintage, Brooklands 79729
344807/0101

Work Requested: We were asked to make the following test:

Schildknecht Flexing ISO 7854: 1997 Method B



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TESTING • CERTIFICATION • AUDITING

Camira Fabrics Limited

Sample was identified as follows:

Vintage, Brooklands 79729
344807/0101

Laboratory Work

The tests were made in Standard Atmosphere (65 ± 4 % relative humidity at 20 ± 2 °C) the sample having been freely and continuously exposed to that atmosphere for at least 24 hours prior to testing. Specimens have been taken from the sample as described in the specified standard.

Resistance to Damage by Flexing

Flex cracking resistance was tested following the procedure in Method B – Schildknecht method, of BS EN ISO 7854: 1997 (BS 3424: Part 9: 1996), “Rubber- or plastics-coated fabrics – Determination of resistance to damage by flexing”. Three specimens, in each direction, were tested for a predetermined number of cycles.

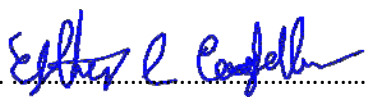
At the clients’ request, the specimens were to be inspected at 100 000 cycles.

The flexing damage was assessed according to the following methods.

The overall appearance of the specimens was assessed for deterioration considering all visible factors such as wrinkling, cracking, flaking and discolouration. Specimens were graded, without magnification, using the 4 part numerical scale.

Each specimen was examined, under magnification, to determine depth, length and number of cracks. Depth of cracking was assessed using the descriptive scale. The length of the longest crack (mm) and the number of cracks have been reported.

The results for all tests are given in the table on the following page.

Reported by: 

Miss E Goodfellow
Laboratory Technician

Countersigned by: 

Mr P Hutchings
Operational Head

Enquiries concerning this report should be addressed to Customer Services.

RESULTS



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ASSESSMENT OF SCHILDKNECHT FLEX DAMAGE AT 100 000 CYCLES

Specimen Number	1 (Length)	2 (Length)	3 (Length)	4 (Width)	5 (Width)	6 (Width)
Deterioration in Appearance	1-2	1-2	1-2	1-2	1-2	1-2
Type of damage (if any)	Slight to moderate creasing	Slight to moderate creasing	Slight to moderate creasing	Slight to moderate creasing	Slight to moderate creasing	Slight to moderate creasing
Depth of Cracking	Nil	Nil	Nil	Nil	Nil	Nil
Number of Cracks Of The Lowest Grade	Nil	Nil	Nil	Nil	Nil	Nil
Length Of Longest Crack of The Lowest Grade (mm)	N/A	N/A	N/A	N/A	N/A	N/A

Deterioration In appearance

- 0 None
- 1 Slight
- 2 Moderate
- 3 Severe

Depth of Cracking

- Nil no cracking
- A surface or finish crack, not exposing the cellular or middle layer
- B cracking into but not right through the middle layer, or, in the case of single-layer coatings, not exposing the base fabric
- C cracking through to the base fabric
- D cracking right through the material



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