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## Chieftain Fabrics

Trim

Co.Meath

Ireland

Our Ref: **TFTXF82363**

Date: 31 October 2018

Delivery Date: 07 September 2018

Test Dates: 17 September - 29 October 2018

For the attention of Sinead Doyle

## SAMPLE(S) FOR TEST:

One, Coated fabric – Ref: Vinyl Fabric Chieftain Black

*Note: The above descriptions are as supplied by the client and have not been verified by FIRA who can take no responsibility for the accuracy of the description.*

## TEST REQUIREMENTS:

Determination of abrasion – BS EN ISO 5470-2: 2003, Method 1

\*Testing continues to 750,000 cycles upon customer's request

## RESULT:

Performance Level A

This Report relates to the sample(s) submitted for test and no others. Additions, deletions or alterations are not permitted.

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# TECHNICAL REPORT

## DESCRIPTION

Item: One, Coated fabric – Ref: Vinyl Fabric Chieftain Black

Initial Inspection: Condition as new

Conditioning: In accordance with BS 3424: Part 2: 1992 ISO 2231: 1989; >16 hours at 20±2°C & 65±5% relative humidity.

Testing: In accordance with BS EN ISO 139: 2005+ A1:2011 20±2°C & 65±4% relative humidity.

## TEST RESULTS

### **RUBBER- OR PLASTICS-COATED FABRICS – DETERMINATION OF ABRASION RESISTANCE – PART 2: MARTINDALE ABRADER BS EN ISO 5470-2: 2003, Method 1.**

Specimen failure, defined in BS EN 15618: 2009 as a damage rating greater than 2 did not occur, therefore the test was stopped as the required number of cycles was completed:

Specimen A 750,000 cycles  
Specimen B 750,000 cycles  
Specimen C 750,000 cycles  
Specimen D 750,000 cycles

Overall result 750,000 cycles

At 750,000 cycles the damage rating assessed as in BS EN ISO 5470-2: 2003 was grade 1.

*The abrasion resistance is evaluated by the end point method without magnification. The specimens were mounted in specimen holders without foam backing and the specimen pressure used for upholstery use applications is 12kPa.*

## CONCLUSION

The material properties for BS EN 15618: 2009 indicates that this fabric reaches a performance level of:

Test performed	Performance level
BS EN ISO 5470-2: 2003	A

*A Grading Assessment Tolerance of +/-0.5 of grade is applicable for all damage rating assessments due to their subjective nature. This uncertainty was not applied to the reported results and therefore it needs to be considered when determining compliance with a specification.*

Tested by: Stephen Cotton

Reported by: Nathaly Da Silva

Approved by: Stephen Cotton  
Technical Specialist

\*\*\*\*\* End of Report \*\*\*\*\*