



Report Number: 17-003210  
Revision Number:1  
Date Order Received: 08/23/2017

TESTING CERT. #3193.01

For the Account of: James Dunlop Textiles  
PO Box 1636  
Christchurch 8140  
New Zealand

Client's Identification: Canvas

### CERTIFICATE OF TESTING

TEST PERFORMED: Abrasion Resistance of Textile Fabrics (Oscillatory Cylinder Method) ASTM D4157-13

#### TEST RESULTS

	Number of Double Rubs	Warp (Length) Specimens	Fill (Width) Specimens
Specimen #1	50,000	No breakage or appreciable wear	Breakage occurred
Specimen #2	90,000	Breakage occurred	Breakage occurred

#### INTERPRETATION USED

- Option 1 The end point is reached on a woven fabric when two or more yarns have broken or on a knitted fabric, when a hole appears.
- Option 2 The end point is reached when there is a change in shade or appearance that is sufficient to cause a customer to complain.

#### NOTES

**Abradant Used:**  ACT Standard #10 Cotton Duck  Wire Screen

**Samples Backed with Masking Tape:**  Yes  No

**Tension:** 4 pounds

**Compression:** 3 pounds

#### ACCEPTANCE CRITERIA

A.C.T. Standard	Acceptance Criteria
General Contract Upholstery	No appreciable breakage or wear after 15,000 double rubs
Heavy Duty Upholstery	No appreciable breakage or wear after 30,000 double rubs

**CONCLUSION** Based on the above Results and the A.C.T. Standard, the item tested:

- Unrated
- General Contract Upholstery
- Heavy Duty Upholstery

**CERTIFICATION** I certify that the above results were obtained after testing specimen in accordance with the procedures and equipment specified by the standard stated above.

Authorized Signature

Date Order Completed: 09/05/2017