

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

Client's Identification: Etching

CERTIFICATE OF TESTING

TEST PERFORMED: Abrasion Resistance of Textile Fabrics (Oscillatory Cylinder Method) ASTM D3597-02(2013) / ASTM D4157-13

TEST RESULTS

	Number of Double Rubs	Warp (Length) Specimens	Fill (Width) Specimens
Specimen #1	90,000	Breakage occurred	Moderate wear
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

Residential Standard	Acceptance Criteria
Light Duty	No appreciable breakage or wear after 3,000 double rubs, but shows wear after 9,000 double rubs
Medium Duty	No appreciable breakage or wear after 9,000 double rubs, but shows wear after 15,000 double rubs
Heavy Duty	No appreciable breakage or wear after 15,000 double rubs

CONCLUSION Based on the above Results and the Residential Standard, the item tested:

- Unrated
- Light Duty
- Medium Duty
- Heavy Duty

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: 07/06/2017