

TEST REPORT

Date: August 2, 2005

Report No: 1-05207-001

Customer Contact Information:

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Test Request:

To conduct performance tests on collapsible coat hooks using OnSpeX requirements as approved by the vendor.

Executive Summary:

Samples of the collapsible coat, when tested in accordance with the requirements as approved by the vendor, were found to be acceptable. For specific comments, please refer to the attached Laboratory Report.

Tested By: George Stoddart, P. Eng
Technical Specialist

Signed By: Terry Drew
Director, Technical Services

1.0 Test Results

Test Code	Standard / Reference	Test Requirement / Reference	Pass/Fail
Sharp Points and Sharp Edges	16 CFR1500.48 and 16 CRF 1500.49	Samples shall not exhibit any sharp points or sharp edges on exposed surfaces.	Pass
Product Marking	OnSpeX	Products shall be provided with a date code and maximum recommended weight. Date coding is recommended to provide for after sales tracking if necessary.	Pass
Load Bearing Capability	OnSpeX	Samples as submitted shall be capable of holding a static load of 9 Kg (20 lb.)- (+/- 0.45g) for a period of 24 hrs.	Pass
Break Away Force	Henkel	Samples shall release and collapse as intended when exposed to a static load of 11.8 Kg (26 lb.)- (+/-0.45Kg).	Pass
Dislodging of Apparel	Henkel	When in the collapsed position, apparel, weighing 11.8 Kg (26lb.)-(+/- 0.45 Kg) shall readily dislodge from the hook. This test shall be conducted twice, once with a dry element and once with a wet element.	Pass
Endurance	OnSpeX	Samples shall function as intended following 100 release operations, and shall be capable of holding a minimum static load of 9 Kg (20 lbs)-(+/- 0.45 Kg).	Pass
UV Degradation	OnSpeX	Samples shall not exhibit any structural or functional degradation when exposed to ultra violet light (UV-A 340) for a period of 48 continuous hours.	Pass
Horizontal Impact	OnSpeX	When mounted as intended, hooks shall be capable of withstanding a horizontal impact of 1.6 Nm, using a steel sphere weighing 0.50 Kg, suspended at 12” and swung from a 90° angle. This test shall consist of 4 impacts, one to each side of the casing, and one to each side of the hook proper. This test is to be conducted on 2 separate samples, one pre and one post UV Degradation.	Pass
Vertical Impact	Henkel	For the purpose of this test, a sample coat hook shall be mounted to a vertical surface, in an upside down position. The hook shall be capable of withstanding an impact of 3.2 Nm, using a steel sphere weighing 0.50 Kg, dropped from a height of 24”. This test is to be conducted on 2 separate samples, one pre and one post UV Degradation.	Pass

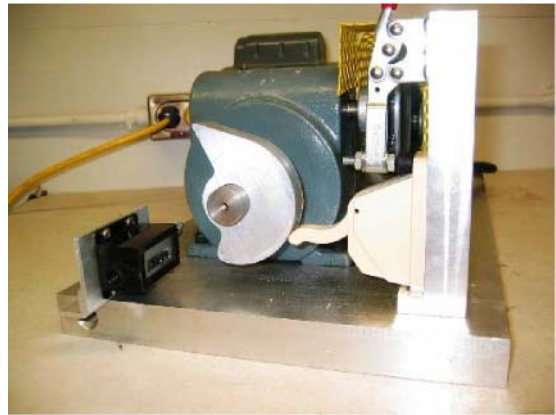
2.0 Technical Notes / Observations

1. Date coding and manufacturer's identification can be found on a separate label within the mounting cavity.
2. All samples tested were capable of supporting a static load of 20lb. (9Kg) for a period of 24hrs.
3. Break away forces were found to be at 26lb (11.8 Kg).
4. Samples successfully passed endurance testing at 100 cycles without evidence of failure or fatigue.
5. All samples tested for horizontal and vertical impact showed no signs of failure or fatigue.

3.0 Illustrations



Coat Hooks (As Received)



Life Cycle Test