

SERCO FABRIC COMPARISON

Dock Seals & Shelters

MATERIAL	Tear Strength (lbs.) (Length x Width)	Abrasion Resistance (Cycles)	Cold Test (-40° F)	Adhesion (lbs per sq. in.)
Serco UHWR™	145 x 118	40,000 +	Pass	Immeasurable**
Serco XL-100™ (Secondary wear surface fabric*)	273 x 272	5,000	Pass	32
Rite-Hite® Durathon® (Secondary wear surface fabric*)	323 x 399	3,800	Pass	Immeasurable**
Fairborn® Dynalon® (Secondary wear surface fabric*)	252 x 224	3,200	Pass	53.5

* Secondary wear surface fabric refers to fabric used on wear pleats, wear panels, and/or wear face.

**Immeasurable: This fabric was too slick to be glued together sufficient for testing.

Rite-Hite and Durathon are trademarks or registered trademarks of Rite-Hite Holding Corporation.

Fairborn and Dynalon are trademarks or registered trademarks of Fairborn USA Inc.

All test results certified by a qualified, listed testing laboratory using official standard test methods:

- Tear Strength (ASTM D-3776) - Tongue tear test that measures lbs./inch required to tear coated fabric.
- Abrasion Resistance (ASTM D-3884) - Measures number of cycles to exposure of top yarns of base fabric using tabor method with H-18 wheel and 1000 gram load

Cold Test (ASTM D-2136 or D-751-00) - Test resistance to failure caused by extreme cold temperatures (-40 degrees F)

- Adhesion-Measures the lbs. required to pull off fabric coating from the base fabric on a 2 inch wide sample

Note: Abrasion resistance is the best measure of how well a dock seal or shelter will perform over time against the motion of air ride trailers and sharp truck trailer edges. The higher the cycle count the better the performance.

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