

PITTSBURGH Material Handling

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- 1.0 MODEL: Series 1400 Foam Dock Seal with Adjustable Head Curtain
- 2.0 APPLICATION: Unit shall accommodate an opening size _____ wide x _____ high; having a _____ dock height; equipped with _____ projection bumpers; and having a _____ drive approach. Unit shall be designed to service vehicles ranging in height from _____ to _____.
- 3.0 SIZE: Each unit shall consist of (2) two side pads and (1) one head curtain sized to accommodate the specific application; and having the following minimum dimensions:

HEAD CURTAIN: 24" High; having a length equal to the overall unit width; equipped with 12" splits and pull rope assembly.

SIDE PADS: 12" @ face x 10" @ rear x 10'-0" long.

- 4.0 MATERIAL: The side pad base fabric shall be Dynaflex with Dynalon head cap. The unit shall be further reinforced with 4" exposure Dynalon Armor Pleats the full length of each side pad and at each end of the head curtain. Material shall have specifications that meet or exceed the following:

<u>TEST METHOD</u>	<u>DYNALON</u>	<u>DYNAFLEX</u>
Tear Strength Per Lbs Method 5134	300 x 300	165 x 165
*Abrasion Resistance Cycles/Method 5306	6000	1250
Tensile Strength Per Lbs/Method 5100	1200 x 1200	550 x 575
Cold Resistance at -40°F/Method 5874	Pass	Pass

*H-22 Wheel, 1000 Gram Load, End Point - First Exposure to Base Fabric.
Above tests are to be in compliance with Federal Testing Standard 191.

- 5.0 UNIT CONSTRUCTION: The DYNAFLEX cover shall enclose a polyurethane foam pad, which is to be chemically welded to a 2" thick, pressure treated, kiln dried before and after treating (KDAT) wood frame.

The cover shall wrap behind the wood frame and be secured with electro galvanized staples for weathertight construction. The head cap shall be constructed of superior performance Dynalon material.

The head cap shall be made adjustable by the means of a split with velcro and pull rope assembly. The unit shall be further reinforced by the means of 4" exposure, Dynalon Armor Pleats the full length of each side pad and at each end of the head curtain.

Adequate air exhausts and drain holes are to be provided in covers, and both shall be designed to prohibit moisture infiltration. Side pads shall include full length, highly visible guide stripes. Mounting hardware shall have a rust resistant coating.

Standard unit shall consist of two side pads that mount vertically along both sides of the door opening. The head cap shall be secured at the building face by the means of a pressure treated KDAT 2" x 4" wood head frame. The 2" x 4" wood frame shall be mounted over the top of the side pads with the head cap tapering away to provide for adequate drainage. Unit shall include intermediate Scotch Ply Stays and a front tubular metal support to keep head cap taut. The support tubing shall be held in place by a continuous fabric sleeve incorporated into the top, front edge of the curtain.

6.0 COMPONENT SPECIFICATIONS:

- 6.01 FOAM: Density: 1.30± .05# Cu/Ft; Indentation load deflection (ILD); soft density 22-26#; Tensile 12.0 P.S.I. minimum; Tear 1.50 lbs/inch; Elongation 150% (breaking point); Recovery: 92-93% (compressed 90% and held 22 hours at 158°F) no brittleness; Military Spec T-713A (Mildew and fungus resistant); ASTN Spec C-177-45 (Insulation Factor).
- 6.02 LUMBER: S/P/F Select Structural, grading rules for Western Lumber, July 1st, 1974. Western Wood Products Association 3rd edition, Board of Review, American Lumber Standards; Framework: Dimensional lumber, pressure treated with water borne preservatives to comply with AWPBL-2, kiln dried before and after treating.
- 6.03 GUIDE STRIPE: 3 1/2" wide; 22 oz vinyl coated nylon; safety yellow; top coated with urethane; shall be sewn full length of each side pad.

- 6.04 GLUE: Synthetic elastomer based solvent adhesive; viscosity 270 CPS 2/20 @ 76°F; Solids: 22; Weight: 10.2 pounds/gallon; Flash Point: None (Non-Flammable).
- 6.05 THREAD: GB-207 Polyester (white); 3-Ply Cord; 2.150 yarn/lb.; 4.334 Density M/KGM; 34# breaking strength (15.42 KG) .0170" Diameter; Government Spec #VT285B, Size 3, Type II, Class I, Subclass A.
- 6.06 STAPLES: 1" Crown x 1" leg length x .0595" diameter flattened to .062 x .055 chisel point; low carbon steel, AISI 1006-1018 minimum tensile strength 120,000 P.S.I.; Zinc Coated - .1 oz/ft² minimum (ASTM A641, Class 1); glue tip activated when pneumatically driven into wood.
- 6.07 GROMMETS: Heavy gauge, solid brass, Government Spec AN-230, MIL-G-16491C & MS-20230; Inserted and spaced in cover to allow for proper air and moisture release.
- 6.08 SEWING TECHNIQUES: All sewing shall be performed by professional seamstresses utilizing the following techniques and procedures: 5-5 1/2 stitches per inch, all independently locked; Proper and equal tension on needle and bobbin thread to consistently bury the knot keeping top and bottom stitch taut. Beginning and ending of all continuous stitch runs shall have a minimum of 4 and a maximum of 8 stitches per inch of backtacking.