

# SYSEAL® FP FABRIC

## PHYSICAL CHARACTERISTICS

The Syseal product is a custom formulated, proprietary fabric used by Thermal Design in its insulation systems. General characteristics of the fabric are given below and represent typical values. Proprietary characteristics are either not shown or are listed below as “Proprietary.”

<b>CONSTRUCTION</b>	HDPE 900X1200 Denier +/- 10% Proprietary Woven Scrim (9 X 6) count per inch in warp and fill
<b>COATINGS (Proprietary UVMAX®)</b>	Fire retardant, low density polyethylene 1.8 mil UVMAX® White (one side) 1.3 mil UVMAX® Grey (one side)
<b>COLORS</b>	UVMAX® White/UVMAX® Grey
<b>SIZES</b>	Custom-made sizes to fit any area up to 5,000 sq. ft. per piece
<b>WEIGHT</b>	4.1 oz./yd <sup>2</sup>
<b>TENSILE STRENGTH</b>	160 lbs Warp, 133 lbs Fill (ASTM D1682-64, Grab Method)
<b>TEAR STRENGTH</b>	45 lbs Warp, 36 lbs Fill (ASTM D4633-91, Tongue Method)
<b>WATER RESISTANCE</b>	Not affected. Washable with mild detergent.
<b>BURSTING STRENGTH</b>	>200 psi (ASTM D751-73, Mullen Method)
<b>WATER VAPOR TRANSMISSION</b>	0.02 U.S. Perms – Procedure A, Non-Inverted Method (ASTM E-96) Also available in perforated form for special applications (ice rinks, coolers, etc.)
<b>FIRE HAZARD CLASSIFICATION (ASTM E-84 or UL 723)</b>	Class A Interior Wall and Ceiling Finish: Flame spread ≤ 25 (Self-extinguishing), Smoke developed < 50.
<b>FALL PROTECTION</b>	Certified (Proprietary US Patent No. 5901518) (OSHA-accepted as leading edge/through protection)
<b>PROTECTION FROM FALLING OBJECTS</b>	Proprietary
<b>TOTAL THICKNESS</b>	5.9 mils +/- 10% (ASTM D-2103)
<b>LIGHT REFLECTIVITY</b>	>84%
<b>UVMAX® RESISTANCE LEVEL</b>	UVMAX® Level 7 (Scale 1-10)
<b>SEAMS</b>	Vapor tight, proprietary double-extrusion weld process insures vapor-tight seams
<b>COLD TEMPERATURE FLEXIBILITY</b>	Minus 60° F – Passes

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