

**MATERIAL SPECIFICATION**

Aluminum Foil	0.0003"
Scrim	Fiberglass Scrim Reinforcement. 4/inch X 4/inch.
Adhesive	Flame Resistant
Film	0.0015" UV Stabilized White Polypropylene

**PHYSICAL PROPERTIES**

<b>Basis Weight</b>	15 lbs./MSF ± 10%
<b>Mullen Bursting Strength</b> (ASTM D-774)	85 P.S.I. Minimum.
<b>Puncture Resistance Beach</b> (ASTM D-781)	100 Units Maximum.
<b>Tensile Strength</b> (ASTM D-828)	M.D. 40 lbs./in. Width Avg. CD. 40 lbs. /in. Width Avg.
<b>Bond</b>	Unable to delaminate without destroying facing.
<b>Light Reflectance</b> (ASTM C-523 [500 nm])	90.5%

**ENVIRONMENTAL TESTING**

<b>Weather Resistance</b>	No corrosion or delamination at 120°F, 95% relative humidity for 30 days.
<b>Temperature Resistance</b>	Laminate withstands 4 hrs. at 150°F without delamination.
<b>Water and Chemical Resistance</b>	Withstands 24 hr. H <sub>2</sub> O immersion at 70°F without delamination. Resistant to most oils and solvents found in industry.

**FLAMMABILITY**

<b>Flame Spread</b>	5
<b>Smoke Developed</b>	5

**PERFORMANCE DATA****Absorption Coefficient**

Frequency (Hz)	1" Thick Fiberglass	2" Thick Fiberglass
125	0.13	0.26
160	0.15	0.35
200	0.21	0.62
250	0.32	0.80
315	0.50	1.01
400	0.73	1.18
500	0.95	1.23
630	1.06	1.17
800	1.10	1.08
1000	1.08	1.00
1250	0.93	0.93
1600	0.76	0.81
2000	0.62	0.71
2500	0.55	0.64
3150	0.53	0.53
4000	0.46	0.43
<b>NRC</b>	<b>0.75</b>	<b>0.94</b>

**TEST:** Number 4 Mounting (Direct Mounting)**WILREP LTD.**

1515 Matheson Blvd. E., Unit C-10  
Mississauga, Ontario, Canada L4W 2P5  
**Tel. (905)625-8944 Fax (905)625-7142**  
www.wilrep.com e-mail: wilrep@idirect.com