

# MARSHALL LABORATORIES, INC

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CLIENT -  
TPR<sup>2</sup>  
161 Interstate Lane  
Waterbury, CT 06705

## Results

	Fireshell IB4
ASTM D4400 Sag Resistance 4 - 24 Mils 14 - 60 Mils	> 24 Mils 35 Mils
ASTM D2486 Scrub Resistance, (1) Run 1 <u>Run 2</u> Average	1033 <u>1207</u> 1120
ASTM D522 Flexibility, Mandrel Bend (1)	Pass 1/8"
ASTM D2794 Impact Resistance, 7 Days Dry (1) Direct, Inch - Pounds Indirect, Inch-Pounds	20 5
ASTM D4541 Adhesion, Pull-Off Strength (1) - Concrete	175 psi
ASTM D4585 Moisture Resistance, 100 Hours (1) - Mortar Blistering Loss of Adhesion Wrinkling General Appearance	10 - None None None Excellent
ASTM G153 Accelerated Weathering, 1000 Hours (1) - Mortar 4 Hours UVA 240 @ 60C / 4 Hours Condensation at 50C Gloss Change, Visual ASTM D1729 Visual Color Change ASTM D4214 Degree of Chalking ASTM D661 Degree of Cracking	None None 10 (None) 10 (None)

All panels were cured at 75 degrees F and 50% RH for 14 days  
(1) - Applied at 20 Wet Mils



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