



# North American Testing

TEST	METHOD	DESCRIPTION	RESULTS	
<b>FIRE</b>				
	<b>ASTM E84 - 21</b>	Standard Method of Test for Surface Burning Characteristics of Building Materials <i>(The foregoing test procedure is comparable to UL 723, ANSI/NFPA No. 255, and UBC No. 8- 1)</i>	PASS When tested in accordance to ASTM E84-21 the material resulted in a Class 'A'	Flame Spread 25 Smoke Developed 75
	<b>ASTM E84 - 18b</b>	Standard Method of Test for Surface Burning Characteristics of Building Materials <i>(The foregoing test procedure is comparable to UL 723, ANSI/NFPA No. 255, and UBC No. 8- 1)</i>	PASS When tested in accordance to ASTM E84-21 the material resulted in a Class 'A'	Flame Spread 20 Smoke Developed 300
	<b>UL 1256 Part II - 4th</b>	Describes a test which appraises fire performance of non-metallic and metallic roof deck constructions subjected to an internal (under deck) fire exposure.	Flame Spread < 10 feet in 10 minutes Flame Spread < 14 feet in 30 minutes  No thermal degradation through all components of the roof deck assembly  Decreasing thermal degradation with increased distance from burner	3.7 Pass 7.3 Pass  Met Pass  Met Pass
	<b>ASTM D1929-20</b>	Standard Test Method for Determining Ignition Temperature of Plastics	PASS	Flash-Ignition 387°C 730°F Self-Ignition 429°C 805°
	<b>ULC CAN-S127</b>	STANDARD CORNER WALL METHOD OF TEST FOR FLAMMABILITY CHARACTERISTICS OF NON-MELTING FOAM PLASTIC BUILDING MATERIALS	PASS	Flame Spread <500 for foam core
	<b>CAN ULC S102 - 10</b>	STANDARD METHOD OF TEST FOR SURFACE BURNING CHARACTERISTICS OF BUILDING MATERIALS AND ASSEMBLIES	PASS	Flame Spread 20 Smoke Developed 190



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TEST	METHOD	DESCRIPTION	RESULTS	
	<b>CAN/ULC-S138-06</b>	STANDARD METHOD OF TEST FOR FIRE GROWTH OF INSULATED BUILDING PANELS IN A FULL-SCALE ROOM CONFIGURATION	MEETS REQUIREMENTS	
	<b>NFPA 286</b>	Standard Methods of Fire Tests for Evaluating Contribution of Wall and Ceiling Interior Finish to Room Fire Growth	MEETS REQUIREMENTS	
<b>STRUCTURAL</b>				
	<b>ASTM E455, E72 and AISI S907</b>	Shear load tests on roof and wall panels.	See Span and Load Tables	
	<b>ASTM E1592</b>	Gravity and uplift load tests on roof panels	See Span and Load Tables	
<b>THERMAL</b>				
	<b>ASTM C1363</b>	Thermal Performance of Building Materials and Envelope Assemblies by Means of a Hot Box Apparatus	See Product Showcase	