

# PRODUCT TEST RESULTS

## R-Guard Spray Wrap MVP



### ICC-ES AC212<sup>1</sup>

#### ACCEPTANCE CRITERIA FOR WATER-RESISTIVE COATINGS USED AS WATER-RESISTIVE BARRIERS OVER EXTERIOR SHEATHING

TEST	METHOD	CRITERIA	RESULTS
Tensile Bond	ASTM C 297	Minimum 15 psi (105 kPa)	Pass
Freeze-Thaw	ICC-ES AC212	No cracking, checking, crazing, erosion, delamination or other deleterious effects	Pass
Water Resistance	ASTM D 2247	No cracking, checking, crazing, erosion, delamination, or other deleterious effects	Pass
Water Vapor Transmission	ASTM E 96 Wet Cup	Measure	25 perms at 10 mils
Water Penetration	ASTM E 331	No visible water penetration at the sheathing joints as viewed from the back of the panel	Pass
Structural, Racking, Restrained Environmental Conditioning & Water Penetration	ASTM E 1233 A ASTM E 72 ICC-ES AC212 ASTM E 331	No cracking of the coating	Pass
Weathering	ICC-ES AC212 AATCC <sup>2</sup> 127	No cracking of the coating; no water penetration	Pass
Air Permeance	ASTM E 2178	$\leq 0.02 \text{ L / s}\cdot\text{m}^2 \text{ at } 75 \text{ Pa}$ ( $\leq 0.004 \text{ cfm / ft}^2 \text{ at } 1.57 \text{ psf}$ )	Pass: $0.0024 \text{ L / s}\cdot\text{m}^2 \text{ at } 75 \text{ Pa}$ ( $0.0005 \text{ cfm / ft}^2 \text{ at } 1.57 \text{ psf}$ )

#### ABAA: AIR BARRIER ASSOCIATION OF AMERICA ACCEPTANCE CRITERIA FOR LIQUID APPLIED MEMBRANES

TEST	METHOD	CRITERIA	RESULTS
Air Permeance	ASTM E 2178	$\leq 0.02 \text{ L / s}\cdot\text{m}^2 \text{ at } 75 \text{ Pa}$ ( $\leq 0.004 \text{ cfm / ft}^2 \text{ at } 1.57 \text{ psf}$ )	Pass: $0.0024 \text{ L / s}\cdot\text{m}^2 \text{ at } 75 \text{ Pa}$ ( $0.0005 \text{ cfm / ft}^2 \text{ at } 1.57 \text{ psf}$ )
Air Leakage of Air Barrier Assemblies	ASTM E 2357	$\leq 0.2 \text{ L / s}\cdot\text{m}^2 \text{ at } 75 \text{ Pa}$ ( $\leq 0.04 \text{ cfm / ft}^2 \text{ at } 1.57 \text{ psf}$ )	Pass: $0.0028 \text{ L / s}\cdot\text{m}^2 \text{ at } 75 \text{ Pa}$ ( $0.0005 \text{ cfm / ft}^2 \text{ at } 1.57 \text{ psf}$ )
Water Resistance	AATCC <sup>2</sup> 127	No water infiltration after exposure to 55 cm head of water for 5 hours	Pass
Fastener Sealability	ASTM D 1970	No water infiltration	Pass
Pull Adhesion	ASTM D 4541	110 kPa (16 psi) or substrate failure	Pass
ICC-ES AC212	Entire Suite of Tests	Pass	Pass
Crack Bridging	ASTM C 1305	Pass	Pass
Water Vapor Transmission	ASTM E 96 Wet Cup Dry Cup	Measure	Wet Cup: 25 perms at 10 mils Dry Cup: 5 perms at 10 mils

#### FIRE TESTING

TEST	METHOD	CRITERIA	RESULTS
Surface Burning Characteristics	ASTM E 84	Criteria for ICC and NFPA Class A Building Material: Flame Spread $\leq 25$ Smoke Developed $\leq 450$	Meets Class A Building Material: Flame Spread: 5 Smoke Developed: 5
Fire Propagation Characteristics of Exterior Non-Load-Bearing Wall Assemblies	NFPA <sup>3</sup> 285	Must resist flame propagation and flame spread.	See Report No. 10261K from Priest & Associates Consulting, LLC

All testing conducted by independent, accredited laboratories.

#### NOTES:

- 1: International Code Council Evaluation Service Acceptance Criteria 212
- 2: American Association of Textile Chemists and Colorists
- 3: National Fire Protection Association

