

Water Armor LF Testing

Water Armor LF Test Results

AAMA 714-12: Voluntary Specification for Liquid-Applied Flashing Used to Create a Water-Resistive Seal Around Exterior Wall Openings in Buildings

TEST	METHOD	CRITERIA	RESULTS
Adhesive Strength to Substrates	ASTM C794	≥ 5 pli	Pass
Water Penetration Around Nails	Modified ASTM D1970/AAMA 711 Section 5.3	Shall pass 31 mm (1.2 in) of water	Pass
Accelerated UV Aging Peel Adhesion Appearance	ASTM G154, UVA cycle 1/ASTM C794, Visual	≥ 5 pli	Pass
Elevated Temperature Exposure, Level 3=176° F for 7 days	AAMA 711, ASTM C794	≥ 5 pli	Pass
Thermal Cycling (10 cycles) Peel Adhesion	AAMA 711, ASTM C794	≥ 5 pli	Pass
Crack Bridging	ASTM C1305	Water holdout of 550 millimeters for 24 hrs, 1/8-inch crack per ASTM C1305, 10 cycles.	Pass
Water Immersion	AAMA 711, ASTM C794	≥ 5 pli	Pass
Water Vapor Permeability	ASTM E96 Wet Cup	Minimum of 10 perms at manufacturer's recommended application thickness	Pass – 21 perms
Damp Surfaces	ASTM C794	≥ 5 pli	Pass

ICC-ES AC212: Acceptance Criteria for Water-Resistive Coatings Used as Water-Resistive Barriers Over Exterior Sheathing (*Water Armor LF Tested as Part of an Assembly)

TEST	METHOD	CRITERIA	RESULTS
*Tensile Bond	ASTM C297	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 D2247	No cracking, checking, crazing, erosion, delamination or other deleterious effects	Pass
*Water Penetration	ASTM E331	No visible water penetration at sheathing joints as viewed from back of the panel.	Pass
*Weathering	ICC-ES AC212/AATCC2 127	No cracking of the coating; no water penetration.	Pass

ABAA: Air Barrier Association of America Acceptance Criteria for Liquid Applied Membranes (*Water Armor LF Tested as part of an Assembly)

TEST	METHOD	CRITERIA	RESULTS
*Air Leakage of Air Barrier Assemblies	ASTM E 2357	≤ 0.2 L / s·m ² at 75 Pa (≤ 0.04 cfm / ft ² at 1.57 psf)	Pass: 0.0105 L / s·m ² at 75 Pa (0.0021 cfm / ft ² at 1.57 psf)

Fire Testing

TEST	METHOD	CRITERIA	RESULTS
Surface Burning Characteristics	ASTM E84	Criteria for ICC and NFPA Class A Building Material: Flame Spread ≤ 25 Smoke Developed ≤ 450	Meets Class A Building Material. Flame Spread: 15, Smoke Developed: 10

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