



EIFS Testing

Test	Method	Standard	Optimum	Standard WM LCR
Surface Burn	ASTM E84	Flame Spread 0-15/Smoke 0-15	Flame Spread 0-15/Smoke 0-15	Flame Spread 0-15/Smoke 0-15
Fire Resistance	ASTM E119	See Current ICC Evaluation Service Report	See Current ICC Evaluation Service Report	See Current ICC Evaluation Service Report
Radiant Heat Exposure	NFPA 268	Pass	Pass	
Intermediate Scale Multi Story Fire	NFPA 285	Pass	Pass	
Transverse Load	ASTM E330	See Current ICC Evaluation Service Report	See Current ICC Evaluation Service Report	See Current ICC Evaluation Service Report
Tensile Bond	ASTM E2134	Pass	Pass	Pass
Abrasion Resistance	ASTM D968	Pass at 500 It	Pass at 1000 It	Pass at 500 It
Accelerated Weathering	ASTM G153	Pass at 2000 hours	Pass at 5512 hours	Pass at 2000 hours
Freeze/Thaw	ASTM E2485	Pass at 60 cycles	Pass at 60 cycles	Pass at 60 cycles
Mildew Resistance	ASTM D3273	Pass at 35 days	Pass at 60 days	Pass at 35 days
Water Penetration	ASTM E331	Pass 6.24 psf for 15 minutes	Pass at 12 psf 45 min	Pass 6.24 psf for 15 minutes
Moisture Resistance	ASTM D2247	Pass at 14 days	Pass at 28 days	Pass at 14 days
Salt Fog Resistance	ASTM B117	500 hours no deterioration	Pass at 600 hours	500 hours no deterioration
Drainage Efficiency	ASTM D2273	Not Applicable	Not Applicable	Pass

Test	Method	Optimum WaterMaster LCR	Standard WaterMaster	Optimum WaterMaster
Surface Burn	ASTM E84	Flame Spread 0-15/Smoke 0-15	Flame Spread 0-15/Smoke 0-15	Flame Spread 0-15/Smoke 0-15
Fire Resistance	ASTM E119	See Current ICC Evaluation Service Report	See Current ICC Evaluation Service Report	See Current ICC Evaluation Service Report
Radiant Heat	NFPA 268		Pass	Pass
Intermediate Scale Multi Story Fire	NFPA 285		Pass	Pass
Transverse Wind	ASTM E330	See Current ICC Evaluation Service Report	See Current ICC Evaluation Service Report	See Current ICC Evaluation Service Report
Tensile Bond	ASTM E2134	Pass	Pass	Pass
Abrasion Resistance	ASTM D968	Pass at 1000 It	Pass at 500 It	Pass at 1000 It
Accelerated Weathering	ASTM G153	Pass at 5512 hours	Pass at 2000 hours	Pass at 5512 hours
Freeze/Thaw	ASTM E2485	Pass at 60 cycles	Pass at 60 cycles	Pass at 60 cycles
Mildew Resistance	ASTM D3273	Pass at 60 days	Pass at 35 days	Pass at 60 days
Water Penetration	ASTM E331	Pass at 12 psf 45 min	Pass 6.24 psf for 15 minutes	Pass at 12 psf 45 min
Moisture Resistance	ASTM D2247	Pass at 28 days	Pass at 14 days	Pass at 28 days
Salt Fog	ASTM B117	Pass at 600 hours	500 hours no deterioration	Pass at 600 hours
Drainage Efficiency	ASTM D2273	Pass	Pass	Pass



Stucco Testing (All Armourwall 100 Assemblies)

Test	Method	Results
Accelerated Weathering	ASTM G153	Pass. No cracking, checking, crazing, erosion, or chalking.
	ASTM G155	Pass. No cracking, checking, crazing, erosion, or chalking.
Compressive Strength	ASTM C109	2538 psi
Flexural Strength	ASTM C348	623 psi
Freeze-Thaw	ICC AC 11	No cracking, checking or crazing
Transverse Loads	ICC AC 11	Refer to ICC-ES ESR 2564
Drainage Efficiency	ICC AC 11	Pass. Refer to ICC-ES ESR 2564
Surface Burning Characteristics	ASTM E84	Flame Spread: 0 Smoke Developed: 0
Fire Resistance	ASTM E119	Pass. Refer to ICC-ES ESR 2564
Combustibility	ASTM E136	Pass
Multi-Story Fire Evaluation	UBC 17-6	Pass. Refer to ICC-ES ESR 2564
Radiant Heat Exposure	NFPA 268	Pass. Refer to ICC-ES ESR 2564

ACF Testing

Test	Method	Results
Abrasion Resistance	ASTM D968	Pass at 1000 lt
Accelerated Weathering	ASTM G153	Pass at 5512 hours
Freeze-Thaw	ASTM E2485	Pass at 60 cycles
Mildew Resistance	ASTM D3273	Pass at 60 days
Water Penetration	ASTM E331	Pass at 12 psf 45 min
Moisture Resistance	ASTM D2247	Pass at 28 days
Salt Fog	ASTM B117	Pass at 600 hours

NOTE: Testing above reflects the usage of Parex Optimum Finishes



WeatherSeal

Test	Method	Results
Accelerated Weathering	AC 212	Pass
Air Infiltration	ASTM E2178	Pass < .00001 L/m ² *s (0.00001 cfm/ft ²) at 75 Pa (1.57 lb/ft ² , 0.3 in H ² O)
Air Infiltration	ASTM E2357	Pass < 0.2 L / s·m ² at 75 Pa) (< 0.04 cfm / ft ² at 1.57 psf)
Air Leakage	ASTM E283	< 0.004 cfm/ft ²
Elongation	ASTM D412	360%
Flexibility	ASTM D522	No Cracking at 1/8" (3 mm)
Freeze-Thaw Resistance	ASTM E 2485	Pass. No Deleterious Effects
Hydrostatic Pressure Test	AATCC 127 (Water Column)	Pass. No water penetration
Nail Sealability, Head of Water	ASTM D1970	5 inches of water
Racking	ASTM E72	Pass. No cracking at field, joints or flashing connection
Restrained Environmental	ICC ES AC 212 / ASTM E2570	Pass. No cracking at field, joints or flashing connection
Structural Loading	ASTM E1233 Procedure A	Pass. No cracking at field, joints or flashing connection
Standard Specification for Air Retarders	ASTM E1677	Meets Type I and Type II
Surface Burning Characteristics	ASTM E84	Flame Spread =0 Smoke Developed =0
Tensile Bond Strength	ASTM E 2134/ ASTM C 297	Pass all listed substrates and flashing materials
Water Resistance	ASTM D 2247	Pass. No Deleterious Effects.
Water Penetration	ASTM E331	Pass at 25.4 psf (1216 Pa) for 165 minutes
Water vapor transmission	ASTM E96 Procedure B	6.0 perms (Trowel On) 12.0 perms (Spray & Roll-On)
Weathering	ICC ES AC 212 / ASTM E2570	Pass
Wind Driven Rain	F.S. TT-C-555B	Pass

Elastomeric Coatings (TeifsLastic, Parex 415 Elastomeric Coating, LaHabra Elastomeric Coating)

Test	Method	Results
Accelerated Weathering	ASTM G26	Pass at 2000 hours
Adhesion to concrete	ASTM D4541	150 psi (1 MPa).
Elongation	ASTM D412	360%
Flexibility	ASTM D522	1/8" diameter through 180 degrees at -30°F
Mildew-Fungus Resistance	Federal Test 141, 6241	No growth at 28 days
	MIL 810 B 508	Pass at 7 Days
Salt Spray Resistance	ASTM B117	Pass at 500 hours
Shore "A" Hardness	ASTM D2240	59.2
Tensile Strength	ASTM D412	200 psi.
Wind Driven Rain	Federal Test TT-C-555 B	Pass at 24 hours
Water vapor transmission	ASTM E96 Procedure B	Greater than 12 Perms.

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