



TURTLE RIB®

PRESSURE EQUALIZED RAINSCREEN SYSTEM

AAMA 508 TESTED

PRESSURE EQUALIZED RAINSREEN PERFORMANCE

Tested as a complete wall assembly in both Concealed and Exposed configurations to AAMA 508-21. Proven performance at baseline and enhanced water penetration levels while maintaining pressure equalization and drainage.



AAMA 508 HIGHLIGHTS



WATER RESISTANCE

Passed baseline and enhanced water penetration tests.



PRESSURE EQUALIZED

Reduces pressure differentials for superior rain control.



DRAINED & VENTILATED

Engineered cavity with internal drainage and weep slots.



TESTED AS A SYSTEM

Panels, clips, cavity, joints and structure evaluated together.



BASELINE
6.24 PSF
(300 Pa)
PASS

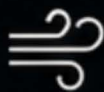
ENHANCED
15.04 PSF
(720 Pa)
PASS

CONCEALED OR EXPOSED. SAME PROVEN PERFORMANCE.



AAMA 508 TESTED

Pressure Equalized
Rainscreen System



PRESSURE EQUALIZED

Balances pressure
for better
water control



WATER PENETRATION

Tested to 15.04 psf
(720 Pa)



CONCEALED OR EXPOSED

Architectural
flexibility



DRAINED CAVITY

Engineered
weep and vent
system



TESTED ASSEMBLY

Complete wall
assembly
evaluated



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AAMA 508 TESTED

NFPA 285 TESTED







PATENT PENDING

PROVEN PERFORMANCE. TESTED TO AAMA 508.

Turtle Rib® rainscreen systems were tested in accordance with AAMA 508-21 to verify performance under real-world wind-driven rain, pressure cycling, air infiltration and structural loading conditions.



TURTLE RIB® CONCEALED FASTENER		
	Baseline Water Penetration ASTM E331	300 Pa (6.24 psf) PASS
	Enhanced Water Penetration ASTM E331	720 Pa (15.04 psf) PASS
	Dynamic Water Penetration AAMA 501.1	720 Pa (15.04 psf) PASS
	Pressure Cycling ASTM E1233	239-1197 Pa (5-25 psf) PASS
	Air Infiltration ASTM E283	75 Pa (1.57 psf) PASS
	Uniform Load Deflection ASTM E330	±1197 Pa (25 psf) PASS

TURTLE RIB® EXPOSED FASTENER		
	Baseline Water Penetration ASTM E331	300 Pa (6.24 psf) PASS
	Enhanced Water Penetration ASTM E331	720 Pa (15.04 psf) PASS
	Dynamic Water Penetration AAMA 501.1	720 Pa (15.04 psf) PASS
	Pressure Cycling ASTM E1233	239-1197 Pa (5-25 psf) PASS
	Air Infiltration ASTM E283	75 Pa (1.57 psf) PASS
	Uniform Load Deflection ASTM E330	±1197 Pa (25 psf) PASS

AAMA 508 PERFORMANCE SUMMARY			
REQUIREMENT	CONCEALED		EXPOSED
AAMA 508 Overall Result	PASS		PASS
Static Water Penetration (ASTM E331)	15.04 psf (720 Pa)	PASS	15.04 psf (720 Pa) PASS
Dynamic Water Penetration (AAMA 501.1)	15.04 psf (720 Pa)	PASS	15.04 psf (720 Pa) PASS
Pressure Cycling (ASTM E1233)	5-25 psf (239-1197 Pa)	PASS	5-25 psf (239-1197 Pa)
Air Infiltration (ASTM E283)	1.57 psf (75 Pa)	PASS	1.57 psf (75 Pa)
Uniform Load Deflection (ASTM E330)	25 psf (±1197 Pa)	PASS	25 psf (±1197 Pa)

TESTED AS A COMPLETE SYSTEM

- ✓ 4' x 4' Panel Assembly
- ✓ Pressure Equalized Rainscreen Design
- ✓ Internal Drainage with Weep Slots
- ✓ Tested Panels with Aluminum Frame
- ✓ Clips, Fasteners & Joint Treatments
- ✓ Backup Wall & Air/Water Barrier

THREE ATTACHMENT OPTIONS. ARCHITECTURAL FLEXIBILITY.

EXPOSED FASTENER



- Exposed rivet fastener
- Durable and serviceable
- Pressure equalized cavity
- Internal drainage
- Tested to AAMA 508 to 15.04 psf (720 Pa)

HYBRID FASTENER



- Concealed clips with exposed fastener
- Clean, uninterrupted appearance
- Pressure equalized cavity
- Internal drainage
- Tested to AAMA 508 to 15.04 psf (720 Pa)

CONCEALED FASTENER



- Concealed clip system
- Clean, uninterrupted appearance
- Pressure equalized cavity
- Internal drainage
- Tested to AAMA 508 to 15.04 psf (720 Pa)



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