

Technical

Manual

Technical Data

Standards	Description	Test Standard	Result
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THERMAL PERFORMANCE

ASTM D696	Coefficient of Linear Expansion	13.8x10 ⁻⁶ in/in/°F (Aluminum)	
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System-Tested Solutions

AAMA 508 PRESSURE EQUALIZED ARROWHEAD RAIN SCREEN			
Standard	Test	Test Standard	Result
ASTM E283	Air Leakage of Test Buck (without panel system installed)	0.11 cfm/ft ² min. 0.13 cfm/ft ² max.	PASS
ASTM E1233	Cyclic Static Air Pressure Differential (pressure cycling)	Cycle Time Lag 0.08 sec max. Cycle Pressure Difference 12.5.	PASS
ASTM E331	Static Water Penetration	3.20 ft ²	PASS
AAMA 501.1	Dynamic Water Penetration	3.20 ft ²	PASS
ASTM E330	Uniform Load Deflection and Uniform Load Structural	L/175 of Stiffener Length	PASS

Arrowhead Lean meets the above results with Vitrabond.

Arrowhead Flex meets the above results with Vitrabond, VitrabondG2 and Vitraplate.

AAMA 509 DRAINED AND BACK VENTILATED ARROWHEAD RAIN SCREEN			
Standard	Test	Lean Results	Flex Results
ASTM E283	Air Leakage	V1	V3
ASTM E331	Static Water Penetration	W1	W1
AAMA 501.1	Dynamic Water Penetration		

Arrowhead Lean meets the above results with Vitrabond.

Arrowhead Flex meets the above results with Vitrabond, VitrabondG2 and Vitraplate.

High Velocity Hurricane Zone (HVHZ) Testing

VITRABOND FR PANEL OVER ARROWHEAD FLEX			
Standard	Test	Test Results	Results
TAS 202 - 94	Uniform Static Air Pressure	(+100/-150 psf)	PASS
TAS 201 - 94	Large Missile Impact Procedures	(+100/-150 psf)	PASS
TAS 203 - 94	Cyclic Winds Pressure Loading	(+100/-150 psf)	PASS

VITRABOND G2 PANEL OVER ARROWHEAD FLEX			
Standard	Test	Test Results	Results
TAS 202 - 94	Uniform Static Air Pressure	(+100/-150 psf)	PASS
TAS 201 - 94	Large Missile Impact Procedures	(+100/-150 psf)	PASS
TAS 203 - 94	Cyclic Winds Pressure Loading	(+100/-150 psf)	PASS

FLORIDA PRODUCT APPROVAL NUMBER	
Arrowhead Flex	FL25812-R2

DrJ Technical Evaluation Report

Use the QR Code to access the most recent DrJ report.





It is the responsibility of the Architect, Building Owner, General Contractor, Installer or Fabricator to ensure that the appropriate tests have been carried out on the final assembly and that the materials meet the national, regional and local building codes and regulations. As the supplier, Fairview can only offer test reports for Arrowhead and any tested wall assembly.

Fairview is not responsible for determining if a variation in the wall assembly will meet the test standards.

Technical Data contained in this document is accurate at the time of writing 7/14/2023. In the event more information is required please contact the Fairview office on 860-242-2711 or email: helpdesk@fairview-na.com

Issue - 1.0

