Arrowhead®

Technical Data Sheet

Arrowhead® Flush Panel System

SYSTEM OVERVIEW

Compatible Materials	4mm FR Core Metal Composite Material ≤3mm (1/8") Solid Aluminum Plate >2mm (0.080") Aluminum Plate
Extrusions & Clips	Aluminum Alloy 6063-T6
Fabrication Method	Shop fabricated CNC Router recommended
Panel Assembly	Coped-and-Hemmed Edge VHB Tape Attachment
Installation Methods	Clip Installation Grid Installation

ARROWHEAD LEED DATA

½ Pre-Consumer + Post-Consumer Recycled Content	
Arrowhead® Extrusions	Up to 44.5%

PANEL SIZES

Max. Recommended Panel Size	60" x 96" (larger sizes may require additional handling)
Typical Stiffener Spacing	24" o.c. (engineered per project)

SYSTEM APPLICATIONS

Recommended Uses	Interior Accent Walls Entryways and Canopies Low-rise construction

RECOMMENDED VHB TAPES

Recommended Products	3M™ VHB™ Tape GPH-160GF

SYSTEM TESTING

AAMA 508 / 509	Arrowhead® FLUSH is not tested to AAMA 508 or AAMA 509.

THERMAL PERFORMANCE

Standard	Descriptions	Test
ASTM D696	Coefficient of Linear Expansion	13.8 x 10^{-6} in/in/°F (Aluminum)

FIRE PERFORMANCE

Standard	Descriptions	Test	Test Result
ASTM E136	Fire Performance of Aluminum	ΔT < 86°F	Non-Combustible

MECHANICAL PROPERTIES (6063-T6)

Standard	Property	Data
ASTM B221	Elastic (Young's, Tensile) Modulus	9.9 x 10^{6} psi
ASTM B221	Elongation at Break	11%
ASTM B221	Fatigue Strength	10 x 10^{3} psi
ASTM B221	Poisson's Ratio	0.33
ASTM B221	Shear Modulus	3.7 x 10^{6} psi
ASTM B221	Shear Strength	22 x 10^{3} psi
ASTM B221	Tensile Strength: Ultimate (UTS)	35 x 10^{3} psi
ASTM B221	Tensile Strength: Yield (Proof)	30 x 10^{3} psi

CHEMICAL COMPOSITION (6063-T6)

Standard	Element	Content
ASTM B221	Aluminum (Al)	97.5% - 99.3%
ASTM B221	Magnesium (Mg)	0.45% - 0.90%
ASTM B221	Silicon (Si)	0.20% - 0.60%
ASTM B221	Iron (Fe)	0.00% - 0.35%
ASTM B221	Copper (Cu)	0.00% - 0.10%
ASTM B221	Manganese (Mn)	0.00% - 0.10%
ASTM B221	Chromium (Cr)	0.00% - 0.10%
ASTM B221	Zinc (Zn)	0.00% - 0.10%
ASTM B221	Titanium (Ti)	0.00% - 0.10%
ASTM B221	Other	0.05% - 0.15%

Data are typical, are provided for informational purposes, and should not be construed as maximum or minimum values for specification or for final design, or for a particular use or application. The data may be revised anytime without notice. We make no representation or warranty as to its accuracy and assume no duty to update. Actual data on any particular product or material may vary from those shown herein. © 2026 Fairview Architectural. All rights reserved.