



Fusion Aluminum Technical Information

Fusion Aluminum is produced through a proprietary coating and color infusion process. These aluminum sheets are available in six different textures and one smooth version and are used in a variety of applications including walls, ceilings, case/millwork and signage.

Details

Aluminum is in stock as nominal 4' x 8' sheets.
Finish for surface is Satin.

Description

Material	Aluminum 5005
Temper	H14
Width nominal	48"
Length nominal	96"
Weight	14-16lbs
Specification	ASTM B209

Mechanical Properties (ASTM B557)

Tensile strength (ksi)	22.0
Yield strength (ksi)	20.7
Elongation (%)	4.0

Abrasion Resistance Testing (ASTM D-1044)

Taber Model 5130
500g weight
4000 cycles with no sign of wear

Steam Resistance Testing (EN 438-2:2005)

No visible changes



Stain Resistance Testing

<u>Test Material</u>	<u>24HRS</u>	<u>7 Day</u>
Wesson Oil	N	N
Household Ammonia	N	N
409 All Purpose Cleaner	N	N
Tide Laundry Detergent	N	N
Isopropyl Alcohol	N	N
Bleach	S	S
Pine Sol	S	S

N = No change to color

S = Slight change to color

CONDITIONS & WARRANTY

Advanced Technology Inc. believes all information contained herein to be correct. It is the responsibility of the fabricator/customer to completely test the adhesives and methods of fabrication to ensure that the results are satisfactory. ATI is not responsible for any fabrication or ancillary costs involved with using Fusion products.

All shipments are to be inspected within 10 working days after delivery. We are to be informed in writing of any potential adjustment necessary. The seller's only obligation will be to replace defective sheets on a one-to-one basis. Neither the manufacturer nor the seller shall be liable for any additional damage or loss, directly or indirectly, arising because of using Fusion products.

Slight imperfections and color variations from sheet to sheet are possible and considered normal. Please inspect each sheet carefully before fabrication to ensure it meets your needs.

CAUTION

Fusion Aluminum and other metal laminates will conduct electricity. To avoid electrical shock and damage to equipment, please make sure that all electrical circuits, tools, and devices used with Fusion aluminum are properly grounded.