

ClearMatt®



The finish shown is only an illustration of the metallic appearance. Please request a sample for a more accurate representation of the actual finish by calling toll free 800.654.1159 or email info@lorin.com.

Part Number:

0605-125-025

Designations:

Aluminum Association
AA-M12-C22-A21
Mil A-8625F Designation
Type II Sulfuric Anodize

Product Description:

ClearMatt® is a product developed by Lorin Industries and designed specifically for general use for interior applications. ClearMatt® has a thin anodize film thickness that make it quite versatile for many applications while providing the design with a lower cost alternative.

Aluminum Properties

Alloy: 5005
Temper: H34
Finish: Mill Finish

Stock Gauge Availability¹

0.032" (0.8 mm)
0.040" (1.0 mm)
0.050" (1.3 mm)
0.063" (1.6 mm)
0.080" (2.0 mm)

Stock Width Availability²

48.0" (1219 mm)

Chemical Properties

Si: 0.30 %
Fe: 0.70 %
Cu: 0.20 %
Mn: 0.20 %
Mg: 0.50—1.10 %
Cr: 0.10 %
Zn: 0.25 %
Other: 0.15 %
Al: Remainder

Mechanical Properties

UTS: 20-26 ksi [138-179 MPa]
YTS: 15 min [103 MPa]
Elongation: 3% min
T Bend: 1t min

Anodize Film Thickness

Standard Film:
0.125 mil nom [3.2 µm]

Anodize Finish Properties

Optical: Not Applicable
Gloss: Medium Matte
Color : Natural Aluminum
Color Target: Not Applicable
UV Stable: Yes
Seal: S3, Duplex III
Quality Grade: 2
Other: None

Applicable Standards

ASTM B-117
Test Method of Salt Spray (Fog Testing)

ASTM B-680
Test Method for Seal Quality of Anodic Coatings

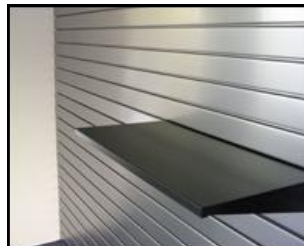
ASTM B 523
Test Method for surface gloss at 60°

ASTM B 137
Test Method for Measurement of Coating Mass per unit area of Anodic Coating



Decorative Desk Trim

Typical Applications



Shelving System

- Office Furniture
- Shelving Brackets
- Letters
- Switch Plate Covers
- Trade Show Panels
- Air Vents and Ducts
- Enclosures
- Door Hardware
- Elevator panels
- Directional Signs

Letters



Footnotes:

- 1 Stocked Raw; Other gauges can be custom ordered
- 2 Stocked Raw; Other widths can be custom ordered

Industry Standards

NSF/ANSI 51 Standards: ClearMatt® meets NSF/ANSI 51 Standards.
RoHS Compliant: Lorin Industries manufacturing facility in Muskegon, MI complies with the RoHS European directive.
ISO 9001: Lorin has implemented and maintained a Quality Management System certified by UL DQS Inc.

Product Support Partners

Lorin Industries works very closely with many manufacturers' in multiple markets who specialize in anodized aluminum fabrication. Our support staff can assist you if you are looking for finished components. Please call our toll free number 800.654.1159 or email your request for product and application support to info@lorin.com.

Maintenance and Cleaning

If cleaning is desired, the anodized finish can be washed with mild soap and water followed by a clean water rinse. For more information on cleaning anodized aluminum please refer to the Aluminum Association Publication 92 -Care of Aluminum.

Warranty

A limited warranty is available upon request. The warranty is issued on a per project basis and can be applied for on line by completing an application for warranty at www.Lorin.com



800.654.1159



1960 Roberts Street
Muskegon, MI 49442 USA

Toll Free 800.654.1159
Direct 231.722.1631
Fax 231.726.6186

Website www.Lorin.com
Email info@Lorin.com



Interesting Fact:

Did you know that the Lorin ClearMatt® material meets NSF/ANSI Standard 51 for direct food contact surfaces ...



Secondary Services

Cut-To-Length Capabilities:
Width = 7" (178mm) to 62" (1575mm)
Length = up to 192" (4876mm)
Loading Gauge = up to 0.080" (2mm)

Slitting Capabilities:
Width = 0.75" (19mm) minimum
Loading Gauge = up to 0.100" (2.5mm)

Other Secondary Services:
Protective Peel-able Films
International Packaging

Availability and Cost

The standard lead time for Stocked gauges and widths is two weeks for anodizing and one week for any secondary services such as slitting, cut-to-length and applying transparent protective films or paper.

Please check availability of Non-Stocked materials by contacting our sales staff using our toll free number 800.654.1159 or email your request to info@lorin.com. Some raw materials may have extended lead times.

Sustainability and LEED

Recycled Content:
100% recyclable
Post-Consumer Content = 1.6%
Post-Industrial Content = 12.9%

Volatile Organic Compounds:
Anodized aluminum does not contain any VOC's.

Lorin is developing a 70% post-consumer scrap content portfolio of products with one of our leading suppliers that will contribute to LEED certification. The recycled materials used in this aluminum alloy are produced with lower energy consumption and will reduce emissions of green house gases. For more information on this new technology, please contact our technical support staff using our toll free number 800.654.1159

Technical Support

A staff of factory trained personnel are available to offer technical assistance. Please call our toll free number 800.654.1159 or email your question to info@lorin.com.