

LORIN

Rust (Weathered Sheets)

TECHNICAL DATA SHEET

Finish Description: Rust is a finish developed for interior applications where the weathered aesthetic look is desired. The Rust is an interior grade product that replicates the beautiful look of natural rust. The finish utilizes a patented anodizing process using a 'modified' two-step electrolytic coloring system. The combination of film thickness with the inorganic coloring chemistry provides excellent durability and beautiful color consistency. It will definitely add the beauty and charm of a weathered look to your next interior project.

Industry Designations:

Aluminum Association

AA-M12-C23-A34

Mil A-8625F Classification

Type II Sulfuric Anodize

Industry Standards

AAMA 611-12

Voluntary specification for anodized architectural aluminum

Mil A-8625F Anodizing Standard

Anodic coatings for aluminum and aluminum alloys

Aluminum Properties

Alloy: 5005

Temper: H34

Finish: Mill Finish

Mechanical Properties

UTS: 20-26 ksi [138-179 MPa]

YTS: 15 min [103 MPa]

Elongation: 4% - 5% min

Chemical Properties

Si: 0.30 %

Fe: 0.7 %

Cu: 0.20 %

Mn: 0.20 %

Mg: 0.50—1.1 %

Cr: 0.10 %

Zn: 0.25 %

Other: 0.15 %

Al: Remainder

Stock Gauge Availability

0.025" (0.6 mm)

Sheet Size Availability ²

48.5" x 96"

Anodize Film Thickness

.425 Film

Anodize Finish Properties ³

Gloss: Coarse Matte

Color : Copper Penny

Color Target: < Delta E of 5.0

Environment: Interior

Quality Grade: 2



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Sustainability and LEED

Recycled Content, 5005 alloy:

- 100% recyclable
 - Recycled Content, 6.6%
 - Reclaimed-Virgin Material, 93.4%
- 2012.04.30 Mill6

Volatile Organic Compounds:

The aluminum oxide layer does not contain any VOC's



Maintenance and Cleaning

The anodized aluminum 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 or AAMA 609 & 610-09, Cleaning and maintenance guide for architecturally finished aluminum.

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.

Availability

The standard lead time for stocked sheets is 5-10 business days. and one week for any additional secondary services.

Please check quantity availability by contacting our sales staff using our toll free number 800.654.1159 or email your request to info@lorin.com.

Product Support Partners

Lorin Industries works very closely with many manufacturers' in multiple markets who specialize in anodized aluminum fabrication. Please call our toll free number 800.654.1159 or email your request for product and application support to info@lorin.com.

Warranty

A limited surface 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

Anodized Finish Test Data

Characteristic	Test Method	Standard	Test Results
Oxide Layer, Weight	ASTM B137 - Coating Dissolution	AAMA 611-12, 2.4mg/cm ² (15.5mg/in ²)	> 2.4mg/cm ² (15.5mg/in ²)
Film Hardness	ASTM D3363 - Pencil Hardness	Based on a anodic film thickness, 11 μm (0.400 mils)	9H Hardness
Craze Resistance	AAMA 611-12 - Thermal Crazing of the oxide layer	AAMA 611-12, oxide layer shall not craze less than 82°C (120°F)	No visible evidence of Thermal Crazing
Seal Quality	ASTM B680 - Acid Dissolution	AAMA 611-12, max weight loss shall be 40mg/dm ² (2.6mg/in ²)	< 20mg/dm ² (1.3mg/in ²)

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