



## LORIN'S GREENBRITE® ANODIZED ALUMINUM FINISH OFFERS COLOR TO THE BRITE FAMILY OF PRODUCTS FROM LORIN INDUSTRIES.

The GreenBrite® anodized finish is one of many colors that are offered up when color is at the forefront over the standard metal look.

### INDUSTRY DESIGNATIONS

Aluminum Association  
AA-M11-C31-A21  
Mil A-8625F Classification  
Type II Sulfuric Anodize

### INDUSTRY STANDARDS

Mil A-8625F Anodizing Standard  
Anodic coatings for aluminum and aluminum alloys

### ALUMINUM PROPERTIES

Alloy .....5657  
Temper.....Half Hard  
Finish.....One-Side Bright (OSB)

### MECHANICAL PROPERTIES

UTS.....20ksi [138MPa]- 28ksi  
[193MPa]  
YTS.....Not specified  
Elongation.....8% minimum

### CHEMICAL PROPERTIES

Si.....0.08 %  
Fe.....0.10 %  
Cu.....0.10 %  
Mn.....0.03 %  
Mg.....0.6 %  
Zn.....0.05 %  
Ga.....0.03 %  
V .....0.05 %  
Other.....0.05 %  
Al.....Remainder

### ANODIZE FILM THICKNESS

Decorative Anodic layer:

### ANODIZE FINISH PROPERTIES

Optical..... Chemically Brightened  
Gloss..... Not Applicable  
Color..... Green  
Color Target ..... N/A  
UV Stable..... No  
Environment..... Interior  
Quality Grade..... 2  
Other ..... None

*Panel-to-Panel match quality can be custom ordered.*

*This product is available for exterior use; a minimum film thickness of 0.250 mils (6 µm) required.*

### WIDTH AVAILABILITY

48.0" (1219 mm)  
48.5" (1232 mm)  
*Other widths can be custom ordered.*

### GAUGE AVAILABILITY

0.016" (0.4 mm)  
0.018" (0.45 mm)  
0.020" (0.5 mm)  
0.025" (0.6 mm)  
0.026" (0.66 mm)  
0.030" (0.7 mm)  
0.032" (0.8 mm)  
0.040" (1.0 mm)

## ANODIZED FINISH TEST DATA

CHARACTERISTIC	TEST METHOD	STANDARD	TEST RESULTS
Oxide Layer, Weight	ASTM B137 - Coating Dissolution		> 0.8 mg/cm <sup>2</sup> (4.8 mg/in <sup>2</sup> )
Film Hardness	ASTM 3363 - Pencil Hardness	Based on a anodic film thickness, 3 µm (0.125 mils)	4H Hardness
Seal Quality	ASTM B136 - Dye Stain	Dye Stain Test	Pass, No Visible Stain

### SECONDARY SERVICES

#### Shearing, Width Capabilities:

7" (178mm) - 62" (1575 mm)

#### Shearing, Length Capabilities:

Up to 192" (4876 mm)

#### Shearing, Loading Gauge:

Up to 0.080" (2.0 mm)

#### Slitting, Width Capabilities:

0.75" (19 mm) min

#### Slitting, Loading Gauge:

Up to 0.100" (2.5 mm)

#### Other Secondary Services:

Protective peel-able films  
International packaging  
Perforating and embossing

### 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.

### SUSTAINABILITY AND LEED

#### Recycled Content, 5005 alloy:

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

2012.04.30 Mill#6

#### Volatile Organic Compounds:

The aluminum oxide layer does not contain any VOC's

### AVAILABILITY

The standard lead time for stocked gauges and widths is two weeks for anodizing and one week for any secondary services such as slitting, shearing 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](mailto:info@lorin.com). Some raw materials may have extended lead times.

### 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](mailto:info@lorin.com).

### 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](mailto:info@lorin.com).

### 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 [Lorin.com](http://Lorin.com).