

LORIN'S SATIN NICKEL **SHORT LINE BRUSHED ALUMINUM IS A FINISH DEVELOPED FOR INTERIOR** APPLICATIONS WHERE A SOFT-**GRAY TEXTURED FINISH IS** IMPORTANT TO THE DESIGNER.

The Satin Nickel Short Line Brushed finish utilizes a specialized impregnating dye process that provides a very uniform and consistent finish with a natural metals look.

#### **INDUSTRY DESIGNATIONS**

**Aluminum Association** AA-M12-C20-A23 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	5205
Temper	Full Hard
Finish	Short Line (SL) Brushed

#### **MECHANICAL PROPERTIES**

UTS	27 ksi [1186 MPa]
	minimum
YTS	Not specified
Elongation	1% minimum

## **CHEMICAL PROPERTIES**

Si 0.15	%
Fe 0.07	%
Cu	- 0.10
Mn 0.10	%
Mg 0.60	- 1.0 %
Cr 0.10	%
Zn 0.05	%
Other 0.15	%
Al Rem	ainder

#### **ANODIZE FILM THICKNESS**

Decorative Anodic Layer:

#### **ANODIZE FINISH PROPERTIES**

Optical	. Not Applicable
Gloss	. Unspecified
Color	. Nickel
Color Target	. < Delta E of 5.0
UV Stable	. No
Environment	. Interior
Quality Grade	. 2
Other	None

## WIDTH AVAILABILITY

48.5" (1232 mm)

Other widths can be custom ordered.

# GAUGE AVAILABILITY

0.025" (0.6 mm) 0.040" (1.0 mm)







SATINNICKEL.SL.202105.R4

## **ANODIZED FINISH TEST DATA**

CHARACTERISTIC	TEST METHOD	STANDARD	TEST RESULTS
Oxide Layer, Weight	ASTM B137 - Coating Dissolution		>1.0 mg/cm² (6.8 mg/in²)
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%

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# **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 <a href="mailto:info@lorin.com">info@lorin.com</a>. 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.

# 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.

## 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.





