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Thin Gauge Solutions

Lamina is Lorin Industries coil anodized aluminum foil.
This rugged, revolutionary material offers thin gauge solutions for everything from office furniture to HPL High Pressure Laminate applications to decorative trim and edge banding.
Similar products offer a lacquer or clear-coated option that may chip or yellow over time or in standard production processes.
Anodizing is a naturally occurring process that permanently enhances the overall material appearance and stamina of the aluminum substrata meaning that Lamina products will retain their beauty for a lifetime.

Targeted End Applications

Architectural Applications	• Column Covers • Decorative Trim and Edge Banding • HPL High Pressure Laminate Panel Applications
Commercial Applications	• Appliance and Foodservice Panels and Edge Banding • Automotive and Transportation Interior Trim and Panel Applications • Elevator & Escalator Panels and Decorative Trim • Emblems and Nameplate Applications
Electronics Applications	• Decorative Electronic Skins & Emblems
Specialty Applications	• Kiosk, Retail Displays and Point of Purchase Displays • Office, Home and Commercial Furniture Trim and Decorative Components

Features & Benefits

- **Consistency** – Because anodizing is a "finishing" process, Lorin can ensure consistent glosses, optical performance and color. Many Lamina products are just thinner gauge versions of our Classic Anodized products, including AlumaPlus, ClearMatt and GoldMatt – meaning that Lamina can be used for edge banding and trim applications on products using commercial gauge material for skins and surfaces.

- **Durability** – Lamina is rugged. Its real metal surface resists scuffs and scratches better than coated surfaces. In addition, our material appearance remains the same for years – unlike coated products that can yellow with age and exposure.

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Lamina Standard Portfolio Offering

Product	Aluminum Finish	Standard Alloy	Anodize Finish	UV Stable
AlumaPlus LL	Long Line Brush	5205	Clean	N
AlumaPlus Polished MF	Mill Finish	5205	Clean	N
NaturalMatt 50 Gloss	Mill Finish	5205	Etched	Y
NaturalMatt 90 Gloss	Mill Finish	5205	Etched	Y
NaturalMatt Butler	Butler Brushed	5205	Etched	Y
NaturalBrite Butler	Butler Brushed	5205	Clean	Y
GoldMatt Butler	Butler Brush	5205	Etched	Y
GoldBrite Butler	Butler Brush	5205	Clean	Y

Additional aluminum / anodize / color combinations available upon request.

Foil Gauge Production Capabilities

Imperial		Metric	
Gauge Range	Maximum Width	Gauge Range	Maximum Width
0.004" – 0.012"	52.0"	0.1mm – 0.3mm	1321 mm

Additional Brand / Product Information

Forming & Fabricating Anodized Aluminum - See Download under the Information & Knowledge section.

High Pressure Laminate Applications – Lamina products have been developed and tested within the HPL High Pressure Laminate market place under the following "standard" conditions.

- 320 F / 160 C heat
- High Pressure / High Heat Application – 1 hour
- Bonded with a phenolic soaked core sheet.

Material Inspection - Lorin Industries utilizes a "standard" visual review of our finished Lamina products from 5 feet or 1.5 meters back from the sheet looking straight at the material hanging from a vertical surface. Material is viewed for consistency in appearance from edge to edge of the sheet.

Usage - Lamina brand products are manufactured using foil gauge aluminum and are not recommended for heavy-duty horizontal applications.

Visual Standards & Limitations - Aluminum finishes are directional by nature and may show a color shift or shift in visual appearance when viewed at different angles. We suggest that you establish standards for visual review of material and that you communicate running direction of the material at the time of assembly of finished product.

In addition, if you are purchasing anodized aluminum for a job requiring panel to panel match, please communicate this with your Sales / Inside Sales representative at time of order as the aluminum will need to be purchased and processed in as few batches as possible.