

# ENDURALOX<sup>®</sup>

PRINTED ALUMINUM.  
ENGINEERED TO OUTLAST.

**ENDURALOX<sup>®</sup>** is a precision-engineered aluminum material system that combines direct digital printing with controlled anodizing to embed high-resolution imagery within the aluminum itself.

Designed for environments where where surface-applied systems have multiple failure points.

PRINTED TO ORDER. SUPPLIED TO THE UNITED STATES THROUGH AN ESTABLISHED DISTRIBUTION AND QA-CONTROLLED PROCESS.

ENDURALOX.CO

## A Material System, Not a Surface Finish

ENDURALOX® is not a coating, laminate, vinyl or applied graphic. It is a controlled aluminum material system where imagery is printed directly into the open pore structure of anodized aluminum and then sealed. The image becomes part of the aluminum itself, protected beneath the anodized surface. This approach fundamentally changes how printed aluminum behaves in real-world environments.

Because the image is embedded within the anodized layer, ENDURALOX® avoids many of the common failure modes associated with surface-applied systems.



## Engineered as a System

ENDURALOX® is produced using a deliberately engineered combination of:

- Controlled aluminum alloy selection
- Custom anodizing parameters
- Ultra-high-resolution direct printing
- Sealing designed to lock imagery within the anodized structure

These stages are designed to work together as a single system, not as independent processes.



## Architectural-Grade anodized aluminum

ENDURALOX® is produced on architectural-grade anodized aluminum, using controlled alloys and anodizing parameters designed for durability, appearance and consistency.

Unlike surface-applied print systems, imagery in ENDURALOX® is embedded within the anodized layer itself and sealed as part of the aluminum structure.

This positions ENDURALOX® alongside architectural anodized aluminum systems, rather than coatings, films or applied graphics.

# Engineered Against Common Failure Modes

Conventional printed aluminum systems rely on surface-applied layers that degrade over time through exposure, handling and cleaning.

ENDURALOX® is engineered to resist:

- Corrosion
- Graffiti and aggressive cleaning
- Chemicals and solvents
- Abrasion and handling
- UV exposure
- Temperature and humidity extremes
- Fire and direct heat

By embedding imagery beneath the anodized surface, ENDURALOX® supports long-term legibility and visual stability in environments where durability matters.



# High-Definition Precision

ENDURALOX® supports ultra-high-resolution direct printing of up to 2800 DPI, enabling:

- Fine text and symbols
- Detailed schematics and diagrams
- Full-color graphics and photographic imagery

All without relying on surface coatings or films.

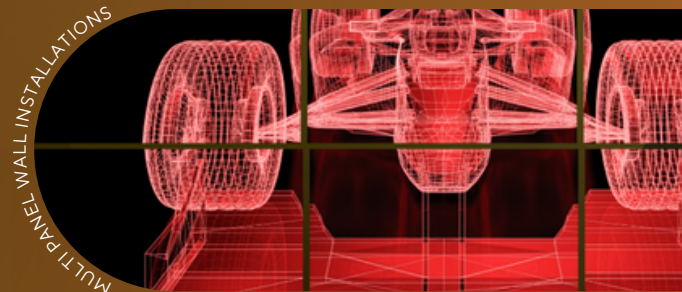
The sealed anodized surface protects the image as part of the aluminum structure, supporting consistent appearance over time.



# Applications

ENDURALOX® is used across applications where durability, clarity and material integrity are critical:

- **Industrial Tags and Plates:** Asset tags, data plates, compliance and identification plates
- **Signage and Wayfinding:** Interior and exterior signage for public, commercial and infrastructure environments
- **Architectural and Decorative:** Feature panels, facades, interiors and large-format installations
- **Interpretive Signage:** Educational and storytelling panels for public and natural environments
- **Retail and Interior Design:** Durable graphic panels integrated into interior and exterior spaces
- **Instrumentation Panels:** Control panels, overlays and information plates for critical systems
- **Evacuation Plans and Compliance Block Plans:** Fire, safety and facility information panels designed for long-term clarity



# Large-Format Capability

ENDURALOX® can be produced on aluminum and ACM mineral core (FR) panels, supporting large-format applications up to 2100 × 1140 mm, with imagery aligned and scaled across multiple panels where required.



# Controlled Production. Consistent Outcomes.

ENDURALOX® is produced through a centrally controlled process to ensure consistency, repeatability and quality assurance.

Production is not decentralised or replicated.

This ensures that material performance, visual output and finish remain consistent across projects, locations and time.

ENDURALOX® is supplied through a controlled network of professional sign manufacturers and specialist fabricators.

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Los Angeles  
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**Your Reseller**

