

# ENDURALOX<sup>®</sup>

A revolutionary photo anodised aluminium product.

BY **ARMSIGN**



## INTRODUCTION

**ENDURALOX® sets a new benchmark for printed aluminum, combining precision engineering with advanced anodising technology to deliver unmatched durability and flawless clarity.**

Made here in Australia, ENDURALOX® was designed for the specific purposes of signage and architectural applications.

It looks luxurious, it feels silky-smooth and it outperforms everything else on the market, *this is the future of signage.*

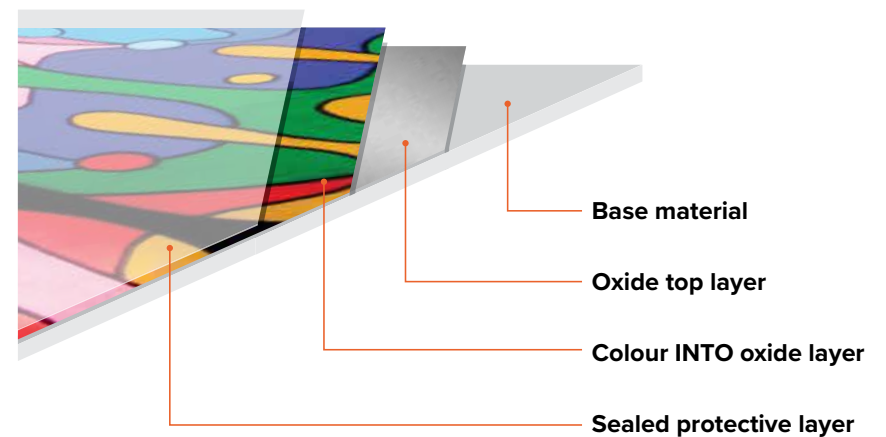
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## WHAT IS IT?

**ENDURALOX® is a premium photo anodised aluminium printing process.**

Your designs, text, or imagery are embedded beneath a ceramic-like anodised layer, providing unrivalled protection and vibrant visual quality for both functional and storytelling signage.





## HOW IT WORKS

The ENDURALOX® process prints *into* the oxide layer of specially engineered aluminium sheets or composite panels.

This process maximises ink absorption resulting in exceptional colour fastness, clarity and vividness.

The anodising process seals the ink within the top layer of aluminium, providing an ultra tough yet silky smooth finish with unrivalled resistance to the elements, natural or otherwise.

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## WHY CHOOSE ENDURALOX®?

### Key features:



Unrivalled life span  
(+10 years)



Ultra-durable,  
matt-satin finish



Exceptional print  
detail for text graphics



Ultra-high colour  
fastness



Australian  
designed & made



Easy to clean and  
maintain



Lightweight &  
strong material



Panel size  
2100x1140mm



Range of thicknesses  
(1-40mm)



Custom shaping  
& folding options



Sustainable  
product

### Ultra high resistance to:



Everyday wear n tear



Graffiti & vandalism



Chemicals & Solvents



Fire & direct heat



Corrosion & abrasion

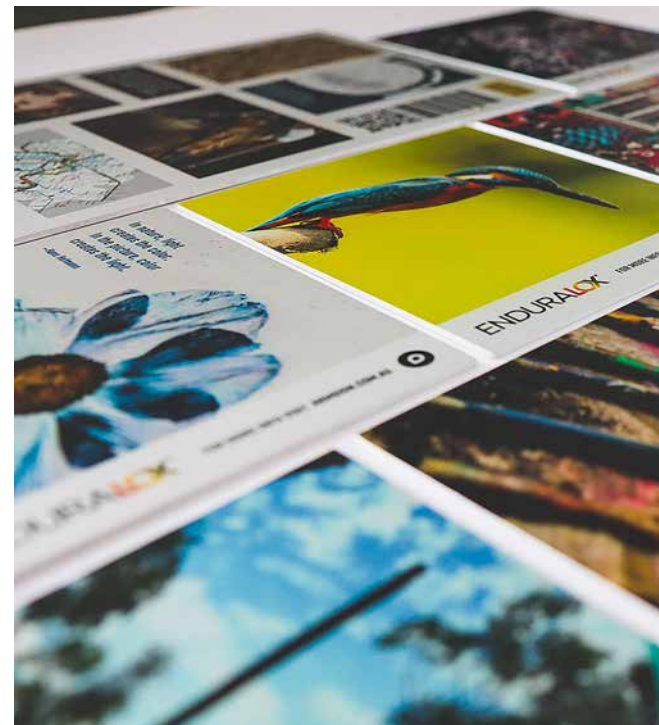


Temperature and humidity

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## APPLICATIONS

- Industrial Tags & Plates
- Signage & Wayfinding
- Architectural & Decorative
- Interpretive Installations
- Retail & Interior Design
- Plaques & Awards
- Instrumentation Panels
- Evacuation Plans
- Compliance Block Plans



## DURABILITY

ENDURALOX® is engineered for exceptional durability even in outdoor environments. With an outdoor lifespan expectation of 10 years, ENDURALOX® full colour photo anodised aluminium is made for all conditions and environments.

Its robust sapphire hard construction and resistance to corrosion, chemicals, solvents, fire, direct heat, abrasion, extreme temperatures, humidity, and harsh UV light make it a versatile choice.

Please note that the specific attributes of ENDURALOX® may vary based on the desired application and environment.

**This is provided for informational purposes only and does not constitute a warranty.**

## TECHNICAL INFORMATION

### Aluminium

Mill finished 5005 - H14 aluminium panel (0.5mm - 40mm)

Mill finished 5005 - H14 aluminium composite mineral core panel

### Appearance

Matt stained, anodised, unsealed & highly decorative aluminium

### Ink

Dye based inks formulated with organic solvents to maximise durability (4- methylpentan-2-one and 1-methoxy-2- propanol)

### Anodising

Custom engineered anodising process designed to maximise ink absorption and elevate light fastness

### Sealing

Meets the requirements of sealing quality according to ISO 3210

### Oxide layer thickness

23 ± 4 µm

### Pore depth (ink depth)

23 ± 4 µm Dimension

### Maximum printable area

2100mm x 1140mm

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# ARMSIGN

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**ENDURALOX**<sup>®</sup>

For more information on ENDURALOX<sup>®</sup> or to arrange a sample, contact us.