ENDURALOX®

PRINTED INTO ALUMINIUM.

ENDURALOX®

DESIGNED TO LAST.

ENDURALOX

MADE FOR AUSTRALIA.

ENDURALOX

Experience the pinnacle of precision and durability with high resolution custom printing into aluminium. The sapphire hard ceramic surface seals the design from external elements. This is signage and cladding made for Australia.

ENDURALOX®

AW Signs now offer ultra high resolution precision printing on various sizes of aluminium, including large format panels. It's the perfect solution for any indoor or outdoor interpretive signage, general signage, asset tags, compliance plates or decorative architectural cladding applications.

Able to withstand the rigours of the Australian climate and high traffic public areas, it gives designers, specifiers and their clients an edge.

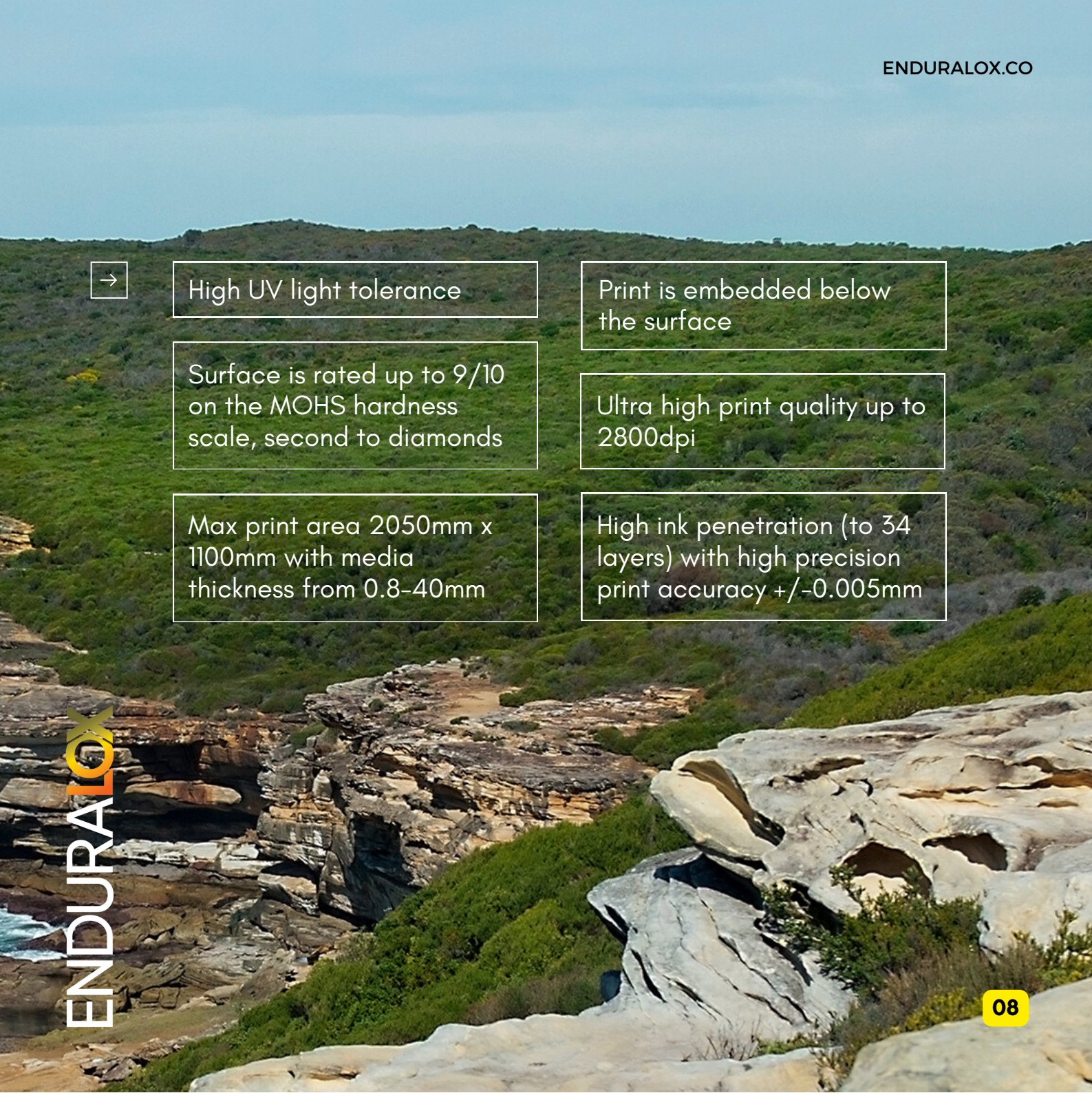
Ultra high resistance to:

- Corrosion
- Graffiti
- Chemicals and solvents
- Fire and direct heat
- Abrasion
- Temperature and humidity






ENDURALOX



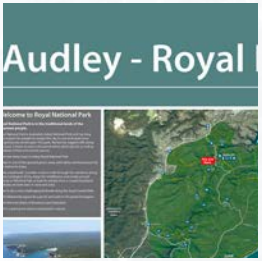
- High UV light tolerance
- Print is embedded below the surface
- Surface is rated up to 9/10 on the MOHS hardness scale, second to diamonds
- Ultra high print quality up to 2800dpi
- Max print area 2050mm x 1100mm with media thickness from 0.8-40mm
- High ink penetration (to 34 layers) with high precision print accuracy +/-0.005mm

ENDURALOX

Print any artwork including patterns, textures, logos, vectors or photographs.

Signage:

- Interpretive
- Information
- Wayfinding
- Building identification
- Statutory



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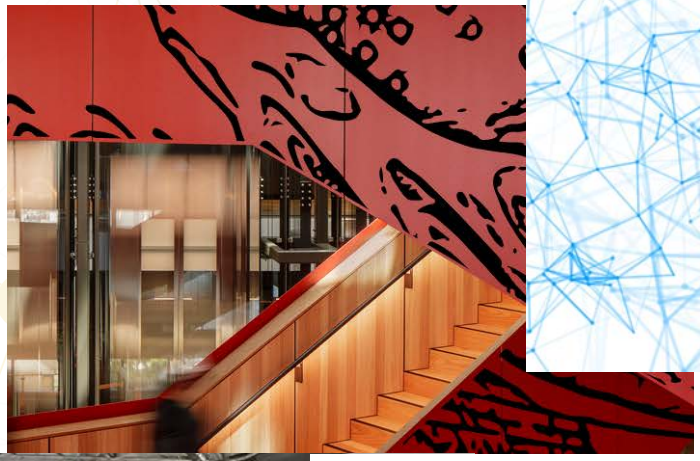

- Wet area splash backs
- Asset tags & service panels
- Photographic art
- Feature walls
- Elevator panels
- Ceiling tiles
- Architectural cladding (Mineral Core ACM Panels)

ENDURALOX®

The **ENDURALOX®** process prints into aluminium sheets or composite panels that have been through an engineered process made for printing into the oxide layer of aluminium.

The process, also ensures maximum dye absorption and thus forms the basis for the best possible light fastness of the print.

All panels are able to absorb a particularly large amount of dye and thus produce a printed image of the highest quality without negatively affecting weather resistance.

To achieve the highest possible quality, we use specially engineered print ink and will soon also offer an additional (optional) engineered sealing process to further enhance the finished product without compromising the anodised look.

DESIGN & TECHNICAL.

Our supply chain has been tailored to meet the stringent demands of our custom printing and natural sealing process to enhance the results for an Australian environment.

ENDURALOX®

COLOUR NOTES

- White cannot be printed on aluminium; areas intended to be white will show the natural aluminium appearance and an optical illusion of white
- Use CMYK colour settings for realistic rendering
- Avoid overprinting to prevent smudging and bleeding
- Consider using a percentage of the key colour for grey shades
- Ensure sufficient contrast between text and background
- The aluminium substrate has a light grey appearance
- Use 100% K (black) for optimal results
- PMS and RAL colours are approximate and may vary

DIMENSIONS AND CONTOURS

- Ensure precise product dimensions
- Use "cutcontour" spot colour for external lines and holes in normal straight milling.
- Use "cutconfacet" spot colour for facetted edge contours
- Avoid compound paths for cutting lines

TEXT AND IMAGES

- Ensure high-quality images (300 ppi minimum)
- Convert fonts to outlines to avoid conflicts
- Minimum line thickness of 0.2mm

BLEEDS AND FILE FORMAT

- Allow a 2.5mm offset outside the cutting line
- Send files in PDF format

TECHNICAL INFORMATION

Aluminium	Mill finished 5005 - H14 aluminium panel (1mm - 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 2050mm x 1100mm

ENDURALOX®

DURABILITY

ENDURALOX® is engineered for exceptional durability even in outdoor environments. With an outdoor lifespan expectation of 10 years, **ENDURALOX®** is made for Australia.

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.*

AW SIGNS

Signage Solved

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