

DURAgraphics

COLOUR PRINTED ANODISED ALUMINIUM

After years of research and development, **ALUimage™** is now available - producing long lasting, light fast, weather and chemical resistant images impregnated into the surface of metal. The **ALUimage™** technology opens the pores of anodised aluminium, then 'roughens the walls' of these pores to enable highly stable dyes to be printed **into**, not onto the anodic layer. A thermochemical sealing process then 'locks in' the dyes and the resultant image possesses remarkable durability characteristics. Images created by the **ALUimage™** process are not limited to solid areas of one colour but can be reproduced from photographs, artwork, or any other sources of illustration.

Using **ALUimage™** technology as the basis for full-colour imaging opens up enormous possibilities for applications where paper, vinyl and board are too frail and easily damaged, or where surface-printed tin, steel and conventional aluminium are subject to image erosion.

The **ALUimage™** technology provides many design opportunities limited only by the imagination.

ALUimage™ technology out-performs comparable mediums dollar for dollar.

Basic Specifications.

Thickness 0.5mm, 1.0mm, 1.5mm

Corner Radius – 3mm, 6mm, 9mm, and 12mm – or larger on request

Maximum Print area including crop and registration marks per sheet – 975mm x 990mm, larger sizes available by "tiling" panels together.

Backing (optional) – high bond lamination film.

U.S.A.

U.S.A. Military Specifications A8625 type 11-P4514C-P514D

Federal Standards P455B type 11

U.V. Resistance

O.U.V. Test according to ASTM G53 (Weather)

Only colours No's 1, 2, 4, 5, 12, 15 (1.00mm & 1.5mm)

After 500 hours accelerated testing – slight colour shift (mostly darker - not fading)

Anodised Printed Layer

The depth of printing for indoor use is 18-20 microns - available in 0.5mm, 1.0mm and 1.5mm thick sheet. 23-25 microns for external use is available in 1.0mm sheet only. Due to a 1-2 micron tolerance sheet to sheet a slight variation in colour will occur making each panel unique.

Salt Spray

According to ASTM B117-85 duration 1000 hours, no deterioration.

Chemical Resistance

Solvent Immersion - The image cannot be affected by any solvent. Caustic Soda does react with aluminium and has a detrimental effect on the product

All multicoloured images have been tested by 700 hours immersion in each of the following:

Kerosene, Petrol, Methyl Ethyl Ketone, Ethyl Acetate, Ethyl Alcohol, Oil & Grease - With NO AFFECT

Please Note: This process involves job setup costs such as film positives etc. We accept electronic files in most popular graphics formats. Call us for more details.