



WEMICO Est 1984

*Artisan*TM Promethean
Imaged Aluminium Architecture



FASCIAS - FACADES - CEILINGS - SOFFITS - CLADDING PANELS

WINDOW PODS - SPECIAL FABRICATIONS

WWW.WEMICO.COM





Artisan[®] Promethean[®] Imaged Aluminium

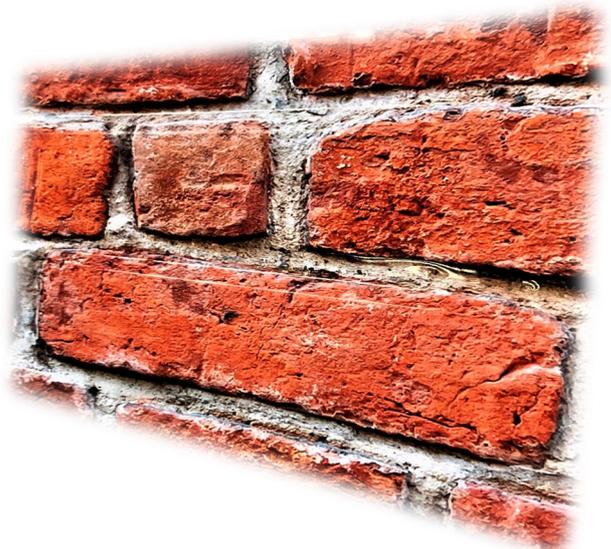
An ultra high quality method of printing any image into Aluminium using Dye diffusion technology

The process

- 1) High resolution images are digitally printed onto specially formulated transfer paper.
- 2) The paper is secured against the surface of the sublimation system coated Aluminium.
- 3) Under controlled heat , pressure and time, the dye diffuses from the paper then passes through two coats of UV resistant lacquer onto the coated Aluminium.
- 4) When finished, the dyes re-solidify and leave a permanent image inside the coating behind the layers of lacquer.

The Result

The highest resolution and quality of image available on Aluminium available in the industry today. Due to the nature of the process, the image is protected by two coats of lacquer which gives a vibrant , durable photographic quality image. Available in high gloss and satin finishes to give a unique aesthetic to the product. The finished result is unlike any other method of imaging onto metal and can be formed into a multitude of panel, façade or ceiling products to create stunning designs. If something can be photographed, it can be turned into a metal work of art, whether it is an image of a landscape, special one off colour or a brick wall relief. The uses are almost limitless



WEMICO Est 1984





Artisan[®] Promethean[®]

The Uses Imaged Aluminium

- ◆ **Artwork** - Flat or formed high quality art designs of HD photographic images
- ◆ **Architectural** - Interlocking secret fix panels or flat sheet applications for high quality imaged products. Also, custom made profiled panels to bespoke requirements. Photographic images, natural products such as Granite, marble, Corten can also be imaged into Aluminium products.
- ◆ **Recreational Vehicles** - Lightweight, durable images of timber, brick or stone can add a natural aesthetic to a caravan, mobile home or holiday chalet.
- ◆ **Transportation** - From imaged maps on a train, to murals and inspirational graphics to lift a long journey.



The Advantages

- ◆ **Formable** - The Aluminium can be formed into panels without stress cracking and can be used in many applications .
- ◆ **UV resistant lacquer** - The coating has multiple layers of UV resistant lacquer for extra durability.



- ◆ **Resolution** - No other method of imaging gives the quality and definition of Promethean[®]
- ◆ **Versatile** - Can be used in a multitude of applications across many different industry requirements



WEMICO Est 1984

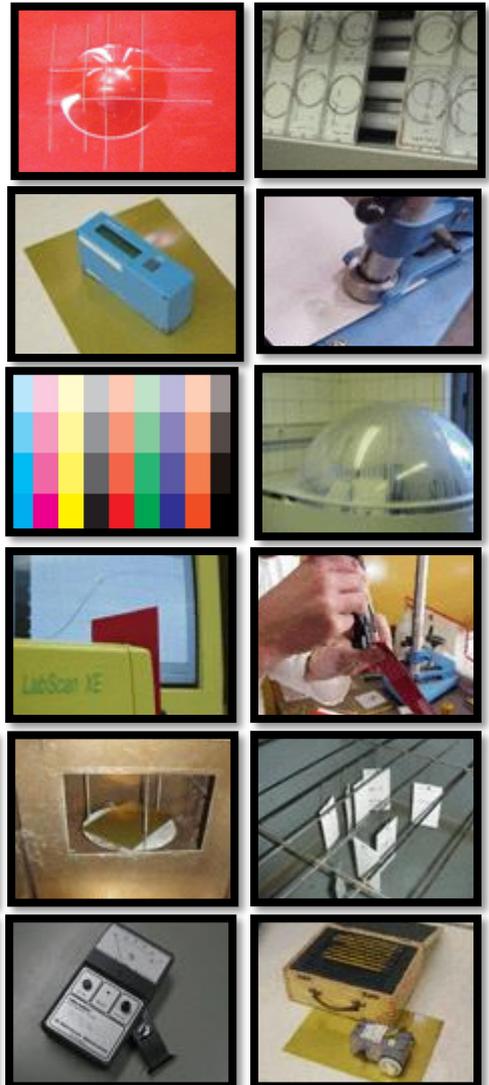


The Advantages

- ◆ **Fully Warranted substrate** - Guaranteed for 20 years
- ◆ **Scratch resistant** -Dyes are deposited beneath the exterior lacquer making the image more durable
- ◆ **Fire retardant** - Fully tested to A1 fire resistance EN - 13501
- ◆ **Lightweight** - Aluminium is lightweight
- ◆ **Recyclable** - The product is made from recycled aluminium and is fully recyclable at end of life
- ◆ **Easy to clean finish** - A mild detergent wash or microfibre cloth will keep the surfaces clean
- ◆ **Brilliant white base coat finish** – Gives a vibrant finished product in high gloss or satin

Fully tested product

- ◆ ISO 4892-3 (Accelerated UV test)
- ◆ EN 13523-1 (Coating Thickness)
- ◆ EN 13523-2 (Gloss levels)
- ◆ EN 1523-3 (Colour difference on topcoat)
- ◆ EN 13523-4 (Pencil Hardness)
- ◆ ISO 4892-3 (Imaged sample colour fastness)
- ◆ EN 13523-6 (Adhesion to cracking on Bending)
- ◆ EN 13523-8 (Resistance to salt spray fog)
- ◆ EN 13523-10 (Resistance to accelerated Weathering of topcoat)
- ◆ ECCA T11 (MEK Solvent rubbing test)
- ◆ EN 13523-13 Heat resistance
- ◆ EN 13523 - 14 (Measurement of chalking)
- ◆ ASTM D2247-68 (Humidity resistance)
- ◆ EN 13523-5 (Adhesion to cracking on rapid deformation)



WEMICO

WESTERN EXPANDED METAL INDUSTRIES COMPANY LIMITED

Matthew Lane, Hoo Farm Industrial estate,
Kidderminster, Worcs. DY11 7RA

T: 01562 820123 F: 01562 822012

E: fabrication@wemico.co.uk



ARCHITECTURAL PRODUCTS

COPINGS - SILLS - FLASHINGS - VERGE TRIMS - FASCIAS - FACADES - CEILINGS - SOFFITS
GUTTERING - CLADDING PANELS - WINDOW PODS - BULLNOSES - SPECIAL FABRICATIONS

WWW.WEMICO.COM

