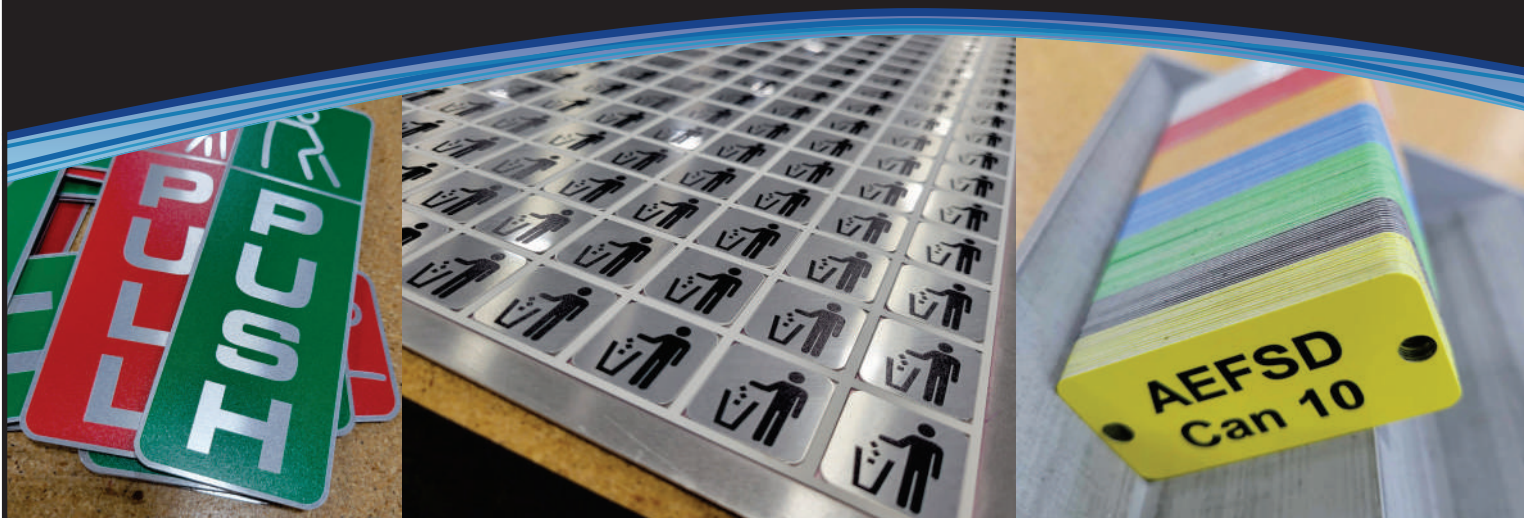


Material Guide UV Printed Aluminum



UV printed aluminum material refers to aluminum that is suitable for direct printing using UV-curable inkjet printers. This material is often used in commercial signage, decorative panels, nameplates, and product labeling because it can handle direct, full-color printing while remaining durable and visually appealing.

CHARACTERISTICS of UV PRINTED ALUMINUM:

- **Printable Surface:**
 - Specially treated or coated to enhance ink adhesion.
 - Available in glossy, matte, satin, or brushed finishes.
 - Can be white-coated for full CMYK color reproduction or clear/brushed for printing with white ink and transparent effects.
- **Compatible with UV Inkjet Printer:**
 - Designed for use with flatbed UV printers.
 - Supports CMYK, white, and varnish layers for texture and depth.
 - No need for heat, sublimation, or transfer paper.
- **Durability and Resistance:**
 - UV-cured inks are tough: scratch-resistant, water-resistant, and chemical-resistant.
 - Outdoor durability: Many UV inks are UV-stable, making printed aluminum suitable for indoor and short-to-medium term outdoor use.
 - Optional clear coats or laminates can enhance UV and abrasion resistance further.
- **Lightweight and Rigid:**
 - Retains aluminum's core benefits: High strength-to-weight ratio; Flat, stable surface for precise printing; Ideal for wall-mounted signs and tags.
- **Customizable in Shape and Size:**
 - Available in pre-cut blanks for tags, plates and signs.
 - Available in custom cut shapes via CNC router or laser.

APPLICATIONS for UV PRINTED ALUMINUM:

- **Signage (Indoor & Light Outdoor Use):**
 - Office and building signs: Room numbers, directional signs
 - Retail Signage: Point-of-purchase displays, product panels
 - Event and Trade Show signs: Full color signs with logos
 - Wayfinding systems: Durable and easy-to-read directional maps
- **Industrial & Equipment Labels:**
 - Machine plates and control panels
 - Electrical and HVAC labels
 - Serial number tags
 - Tool and equipment ID plates
 - Barcode and QR code plates
- **Nameplates & Tags:**
 - Employee nameplates and desk signs
 - Branded or serialized tags for products
 - Visitor badges and facility passes
- **Awards & Recognition Plaques:**
 - Personalized recognition awards
 - Commemorative wall plaques with full-color image
 - Photo awards or sports trophies
- **Branding & Product Labels:**
 - Branded nameplates for electronics, appliances, or furniture
 - Custom logos and brand ID plates
 - Aluminum face plates for upscale branding
- **Decorative Panels & Art:**
 - Custom art prints on brushed or glossy aluminum
 - Interior decor panels
 - Themed or commemorative displays
- **Laboratory & Medical Use:**
 - Instrument and equipment labeling
 - Sample trays and chemical-resistant ID tags
 - Cleanroom-compatible signs and markers

**Contact us today to Quote your
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Toll Free: 1-800-451-3330 - Local: 616-647-0998

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BENEFITS of UV PRINTED ALUMINUM:

- **Full-Color, High-Resolution Printing:**
 - Direct-to-surface CMYK printing with excellent detail and vibrant color.
 - White ink support allows printing on clear, metallic, or dark aluminum for standout contrast.
 - Capable of textured, layered, or spot gloss effects using varnish layers.
- **Fast & Efficient Production:**
 - No drying time—UV light cures ink instantly.
 - No heat or transfer process needed, unlike sublimation or screen printing.
 - Ideal for short runs, custom jobs, and fast turnarounds.
- **Durable and Long-Lasting:**
 - UV inks are scratch-, water-, and chemical-resistant.
 - Suitable for indoor and some outdoor use, especially when UV-stable inks are used.
 - Suitable for indoor and some outdoor use, especially when UV-stable inks are used.
- **Versatile Material Options:**
 - Available in white-coated, brushed, matte, satin, and glossy finishes.
 - Compatible with Flat, rigid sheets; Pre-cut tags and plates; and custom-cut shapes.
- **Strong, Lightweight Substrate:**
 - Retains the aluminum's advantages: High strength-to-weight ratio; Dimensional stability; and Professional, metallic look.
- **Easy to Clean and Maintain:**
 - Printed surface is non-porous and wipeable.
 - Resistant to smudging and surface degradation under normal use.



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