



www.tlgmaterials.com

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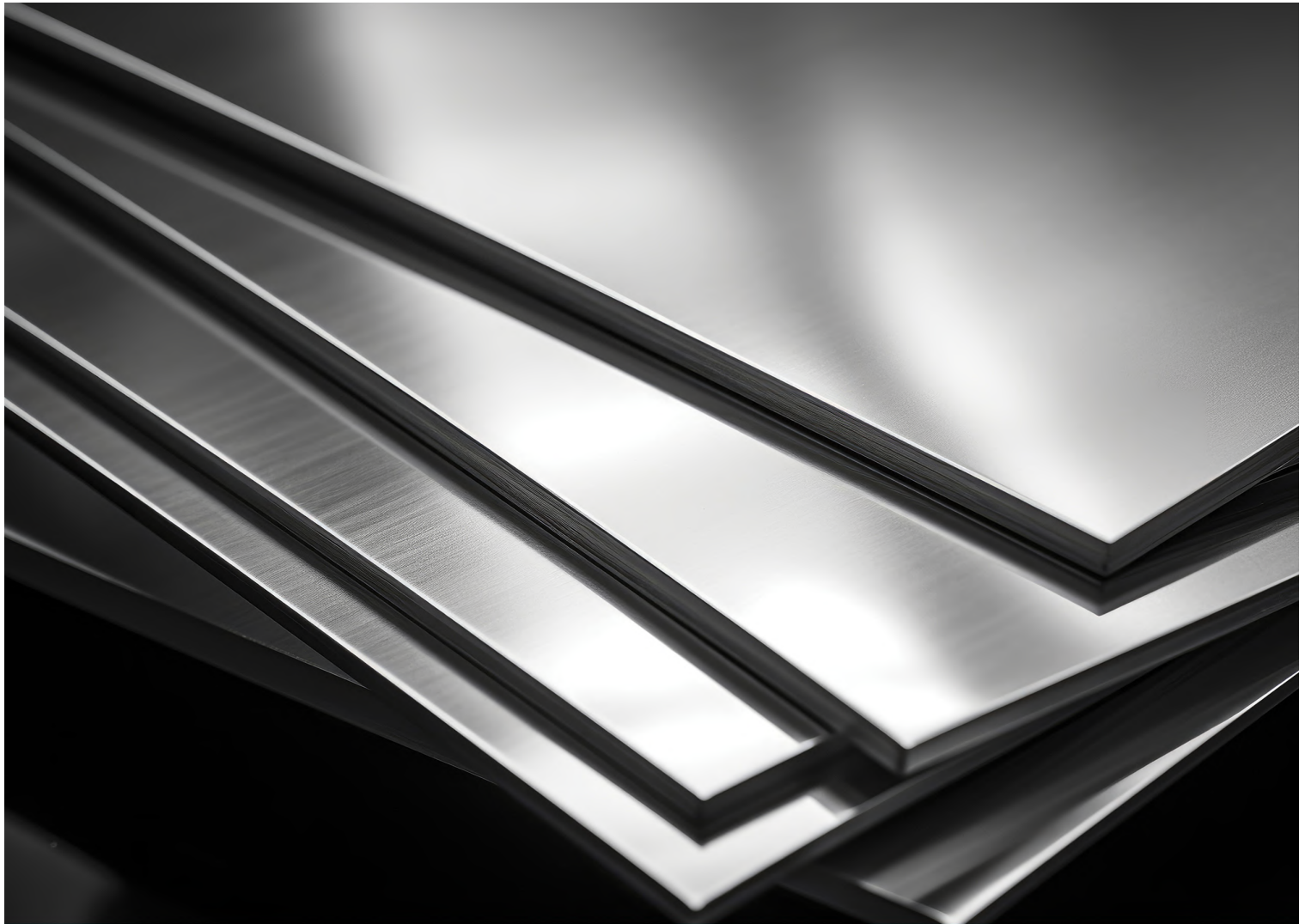
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About Us

TLG Materials is a leading wholesale and distribution company based in Brentwood, TN, with stocking facilities in Chicago, IL; Monroe Township, NJ; Miami, FL; and Commerce, CA. We aim to be North America's premier supplier of aluminum composite materials, aluminum sheets, galvanized steel composite materials, aluminum extrusions, step stakes, and plastic products.

Commitment to Sustainability

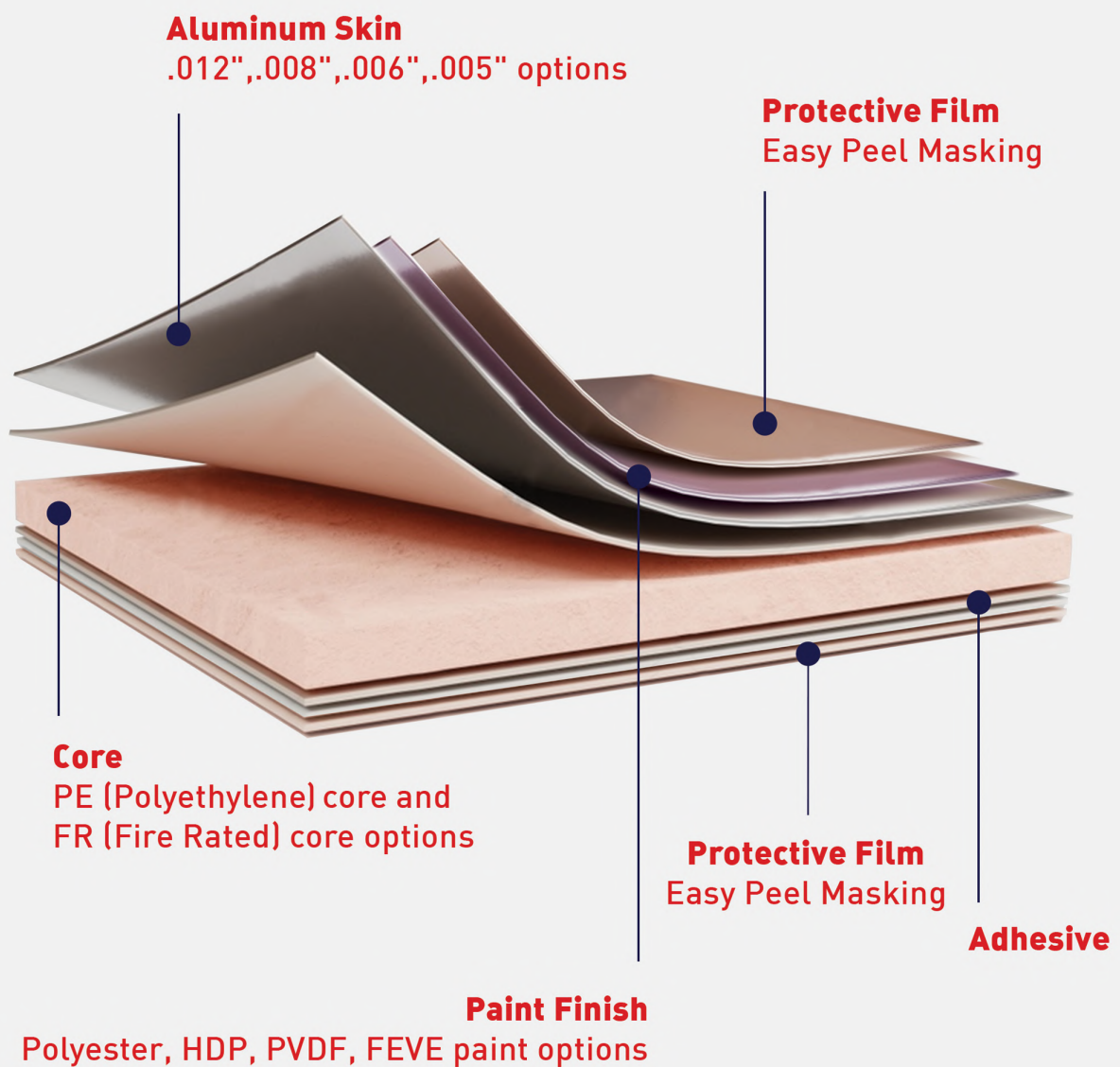
At TLG Materials, we are committed to delivering customer-focused service while maintaining high environmental standards. We prioritize sustainability by incorporating eco-friendly materials and waste reduction strategies into our operations, actively minimizing environmental impact.

Quality and Innovation

Leveraging advanced technology and modern facilities, we produce aluminum composite panels in a variety of dimensions and colors. Our panels feature a low-density polyethylene or non-flammable magnesium hydroxide core. All products undergo thorough testing by our quality engineers using cutting-edge equipment to ensure they meet international quality standards.

PRODUCTS

ALUMINUM COMPOSITE MATERIAL



.012" Skin HD Grade (Fabrication Applications)



TLG Materials Digital SignBond HD Grade is an aluminum composite material made of two .012" aluminum skins laminated to a polyethylene core. It is ideal for various applications, including forming, folding, and bending.

Applications

- Architecture
- Digital Printing
- Screen Printing
- Transportation
- Cladding
- Canopy
- Exterior Signage
- Interior Signage
- Wayfinding/Street Signage
- Outdoor Advertising
- Corporate ID
- Government and Healthcare Facilities
- Shopfitting
- Displays (POS/POP)
- Exhibition Design
- Commercial Projects

Benefits

- Manufactured in Europe
- 10-year warranty for interior and exterior applications
- Easily fabricated, folded, and formed
- Heavy-duty fabrication-grade product
- Suitable for welding, drilling, and routing
- Easy peel masking
- Available in 20+ color options, including solid colors, brushed finishes, and mirror

*The material can be cut and routed with ease. A detailed cutting and fabrication guide is available upon request.

Specification

Range

Aluminum Skin Thickness (mm/inch)	0.30 mm / 0.012"
Panel Total Thickness (mm)	2 mm, 3 mm, 4 mm, 6 mm
Manufacturable Widths	39", 48", 49", 59", 60", 79", 80.7"
Manufacturable Lengths	39" - 236"
Standard Sizes	48"x96", 48"x120", 48"x144", 60"x120", 60"x144", 79"x120"

.008" **Skin Lite Grade** **(Standard Applications)**

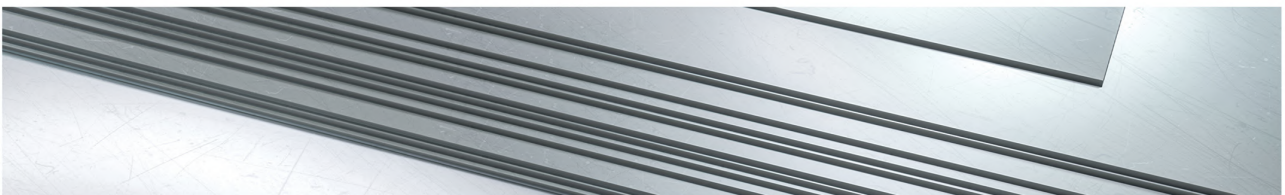
TLG Materials Digital SignBond Lite Grade is an aluminum composite material with two .008" aluminum skins laminated to a polyethylene core. It is primarily used for direct printing and basic fabrication applications. This product features a flat, smooth digital surface with improved ink adhesion, enhancing color brightness and intensity in printed designs.

Applications

- Digital Printing
- Screen Printing
- Vinyl Applications
- Exterior Signage
- Interior Signage
- Wayfinding/Street Signage
- Outdoor Advertising
- Corporate ID
- Government and Healthcare Facilities
- Signage
- Shopfitting
- Displays (POS/POP)
- Exhibition Design
- Commercial Projects

Benefits

- Manufactured in Europe
- 5-year warranty for interior and exterior applications
- Easy peel masking technology with no residue left behind
- Available in 15+ color options, including solid colors and brushed finishes



Specification

Range

Aluminum Skin Thickness (mm/inch)	0.20 mm / .008"
Panel Total Thickness (mm)	2 mm, 3 mm, 4 mm, 6 mm
Manufacturable Widths	39.37", 48", 49", 59", 60", 79", 80.7"
Manufacturable Lengths	39" - 236"
Standart Sizes	48"x96", 48"x120", 48"x144", 60"x120", 60"x144", 80.7"x120", 80.7"x160"

.006" **Skin ECO Grade** **(Flat Applications)**

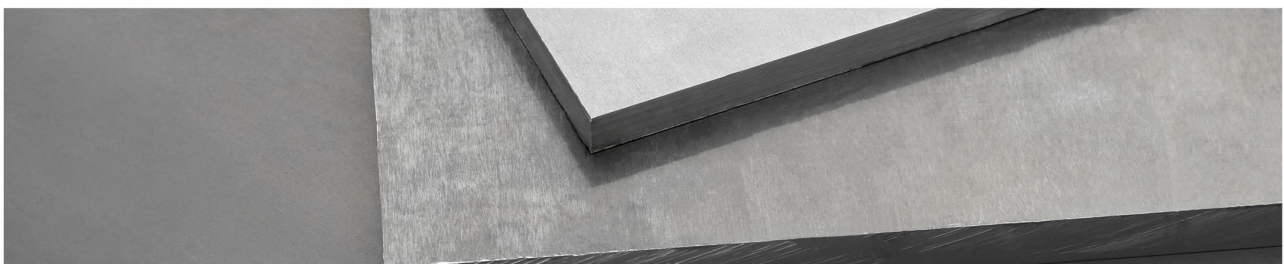
TLG Materials Digital SignBond ECO Grade is an aluminum composite material featuring two .006" aluminum skins laminated to a polyethylene core. This grade is primarily designed for direct printing and all flat applications. The ECO Grade product has a flat, smooth digital surface with enhanced ink adhesion, ensuring vibrant and high-quality printed colors.

Applications

- Digital Printing
- Screen Printing
- Vinyl Applications
- Exterior Signage
- Interior Signage
- Wayfinding/Street Signage
- Channel Letter Backing
- Flat Applications

Benefits

- 5-year warranty for interior and exterior applications
- Easy peel masking with no residue left on the surface
- Economical and ideal for short-term flat applications, including digital printing and signage
- Available in white, black, and brushed finishes



Specification

Range

Aluminum Skin Thickness (mm/inch)	0.15 mm / .006"
Panel Total Thickness (mm)	3 mm
Manufacturable Widths	48", 60"
Manufacturable Lengths	39" - 236"
Standart Sizes	48"x96", 48"x120", 60"x120"

.005"

Skin ECO Lite Grade

(Flat Applications)

TLG Materials Digital SignBond ECO Lite Grade is an aluminum composite material featuring two .005" aluminum skins laminated to a polyethylene core. This grade is primarily designed for direct printing and all flat applications. The ECO Lite Grade product has a flat, smooth digital surface with enhanced ink adhesion, ensuring vibrant and high-quality printed colors.

Applications

- Digital Printing
- Screen Printing
- Vinyl Applications
- Exterior Signage
- Interior Signage
- Wayfinding/Street Signage
- Channel Letter Backing
- Flat Applications

Benefits

- 5-year warranty for interior and exterior applications
- Easy peel masking with no residue left on the surface
- Economical and ideal for short-term flat applications, including digital printing and signage
- Available in white and black finishes



Specification

Range

Aluminum Skin Thickness (mm/inch)	0.12 mm / .005"
Panel Total Thickness (mm)	3 mm
Manufacturable Widths	48"
Manufacturable Lengths	39" - 236"
Standart Sizes	48"x96"

ALUMINUM COMPOSITE MATERIAL COLOR CHART



Color Options



White



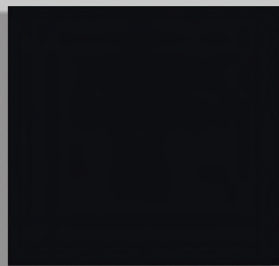
Ivory



Blue



Grey



Jet Black



Burgundy



Traffic Red



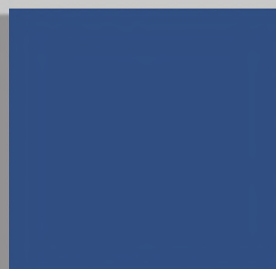
Orange



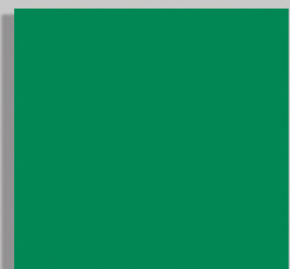
Yellow



Moss Green



Ultra Marine Blue



Traffic Green

ALUMINUM COMPOSITE MATERIAL COLOR CHART

Metallic Colors

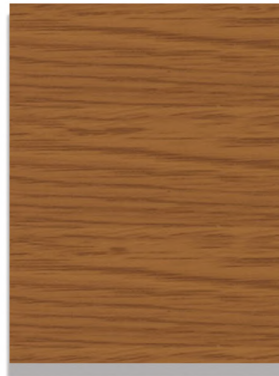


Silver

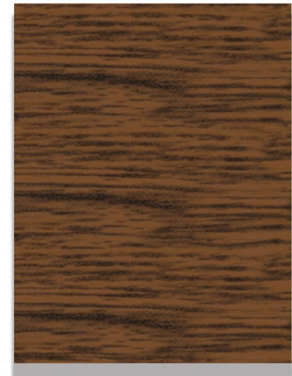
Wood Colors



Natural Line
Wood



Light Cherry



Golden Oak
Line Wood



Special Colors

Available in a wide range of color options, including RAL or PANTONE color systems or custom colors. Gloss levels range from low gloss (→ 10 GU) to high gloss (↖ 95 GU). For special requirements, please contact the TLG Materials Sales Team.

**1 GU = Gloss Unit*

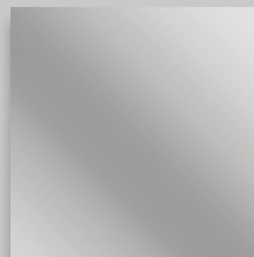
Other Colors



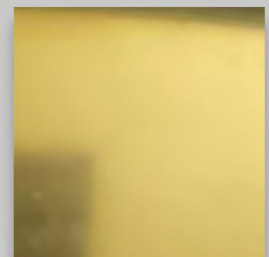
Brushed Gold



Brushed Silver



Silver Mirror



Gold Mirror

GALVANIZED STEEL COMPOSITE MATERIAL



TLG Materials Magnetic Receptive Galvanized Steel Composite Material is a steel composite panel made with two .010" steel skins laminated to a polyethylene core. It is primarily used for direct printing and dry erase applications. This product is available in two versions: digital on both sides or one side digital and the other side dry erase.

Applications

- Magnetic Receptive Surfaces
- Whiteboards
- Trailers
- Exterior Signage
- Interior Signage
- Digital Printing
- Displays (POS/POP)

Benefits

- 5-year interior warranty; suitable for exterior use if exposed edges are treated with paint or edge caps
- Easy peel masking with no residue left on the surface
- Available in white with gloss and matte options
- Double-sided matte finish for superior printing applications
- Gloss side ideal for dry erase applications—write and wipe clean with no residue

*The material can be cut and routed with ease. A detailed cutting and fabrication guide is available upon request.

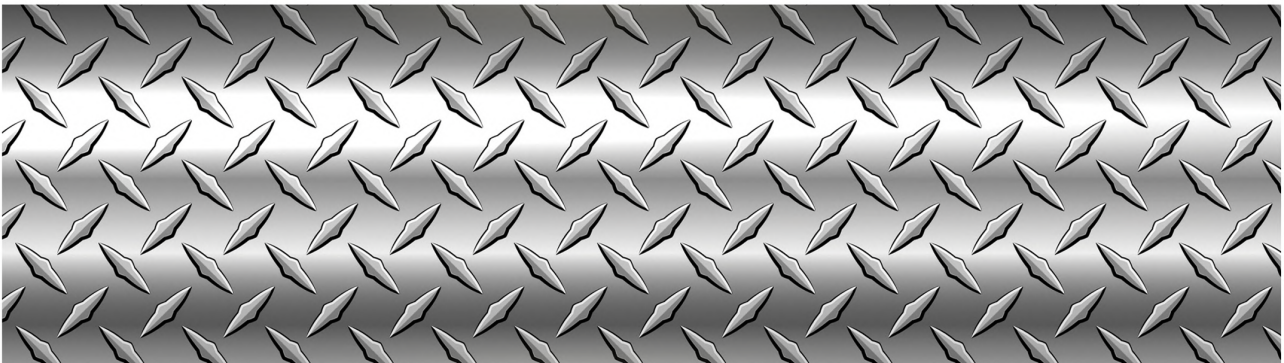
Specification	Range
Steel Skin Thickness (mm/inch)	0.25 mm / 0.010"
Panel Total Thickness (mm)	3 mm, 6 mm
Manufacturable Widths	48"
Manufacturable Lengths	39" - 236"
Standart Sizes	48"x96", 48"x120"

ALUMINUM MILL FINISH, PAINTED AND DIAMOND PLATE SHEETS MATERIAL

TLG Materials Aluminum Sheets are premium quality materials manufactured in Europe, available in painted, mill finish, and diamond plate options. The painted sheets feature a high-gloss finish that is digitally printable and come in thickness options of .025", .032", .040", .050", .063", .080", and .125".

Applications

- Digital Printing
- Screen Printing
- Vinyl Applications
- Exterior Signage
- Interior Signage
- Electrical Signage
- Wayfinding/Street Signage
- Dimensional Signage
- Traffic and Safety
- Channel Letters
- Cabinet Light Boxes
- Yard Signs
- Site Signs
- Tool Boxes
- Elevators
- Trailers



Benefits

- 10-year warranty for interior and exterior applications
- Made with 3003 or 3105 H-14 alloy
- One side easy peel masking with no residue left on the surface
- Available in white, black, mill finish, diamond pattern, and other colors

Specification

Range

Aluminum Thickness (inch)	.025", .032", .040", .050", .063", .125"
Manufacturable Widths	48", 60"
Manufacturable Lengths	39" - 236"
Standart Sizes	48"x96", 48"x120", 60"x120"

STEP STAKES

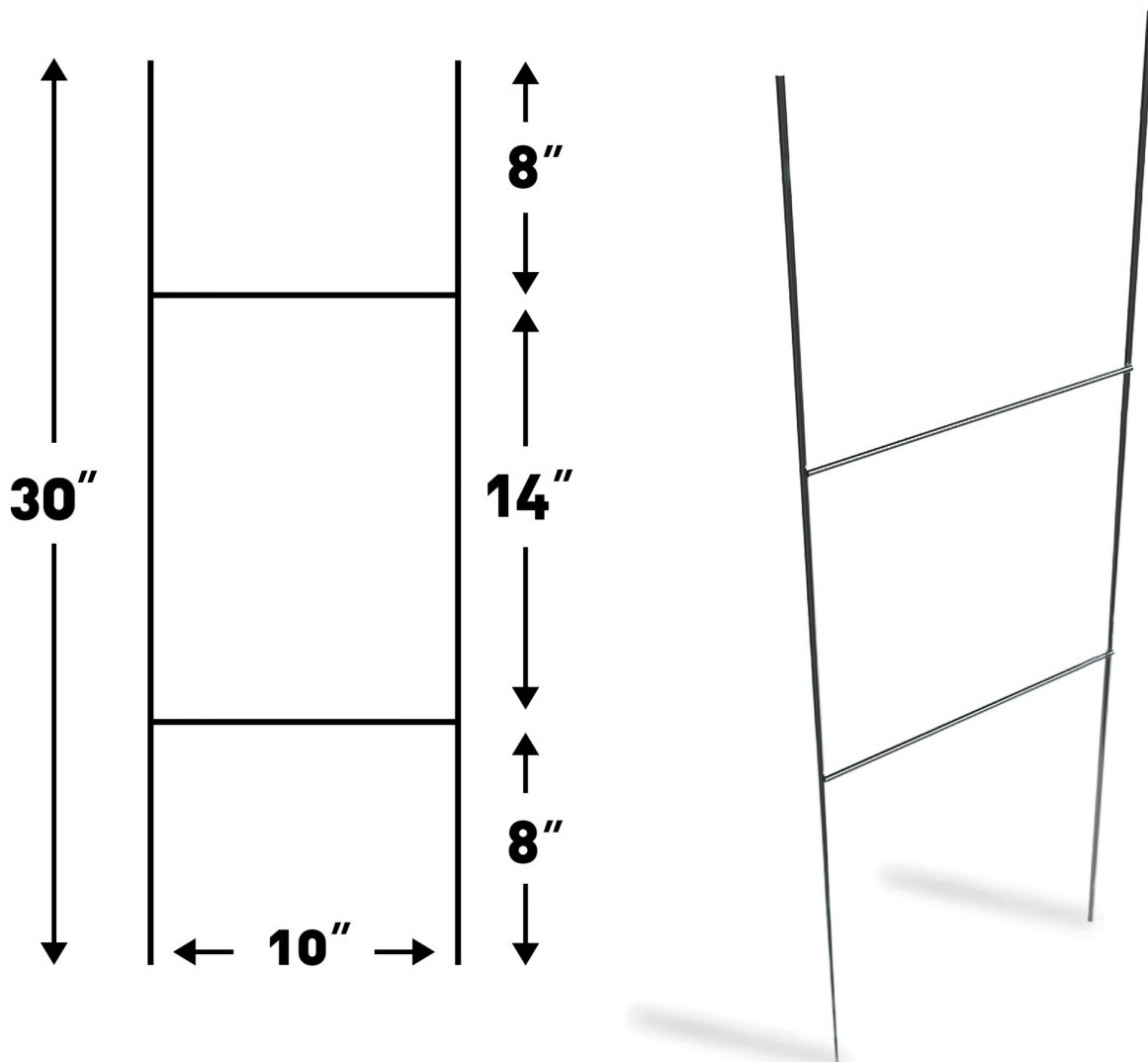
TLG Materials Step Stakes are premium quality stakes, available in 10"x24" and 10"x30" H-shape with 9-gauge wire. The product is packed 50 per box and 72 boxes per pallet.

Applications

- Yard Signs
- Political Signs

Benefits

- Prongs fit into vertical flutes, designed for use with 4mm corrugated plastic signs
- The perfect accessory stake for corrugated polypropylene sheets



PRODUCT FEATURES

Skin Thickness

Panel Thickness

TLG MATERIALS
**HD Grade
SignBond**

.012"
(0.30 mm)

2 mm, 3 mm,
4 mm, 6 mm

- 10-year warranty
- 20+ stock colors
- Gloss/matte

TLG MATERIALS
**Digital SignBond
Lite Grade**

.008"
(0.20 mm)

2 mm, 3 mm,
4 mm, 6 mm

- 5-year warranty
- 10+ stock colors
- Gloss/matte, matte/matte,
and gloss/gloss options

TLG MATERIALS
**Digital SignBond
ECO Grade**

.006"
(0.15 mm)

2 mm, 3 mm

- 5-year warranty
- White, black and
brushed finishes

TLG MATERIALS
**Digital SignBond
ECO Lite Grade**

.005"
(0.12 mm)

3 mm

- 5-year warranty
- White and black

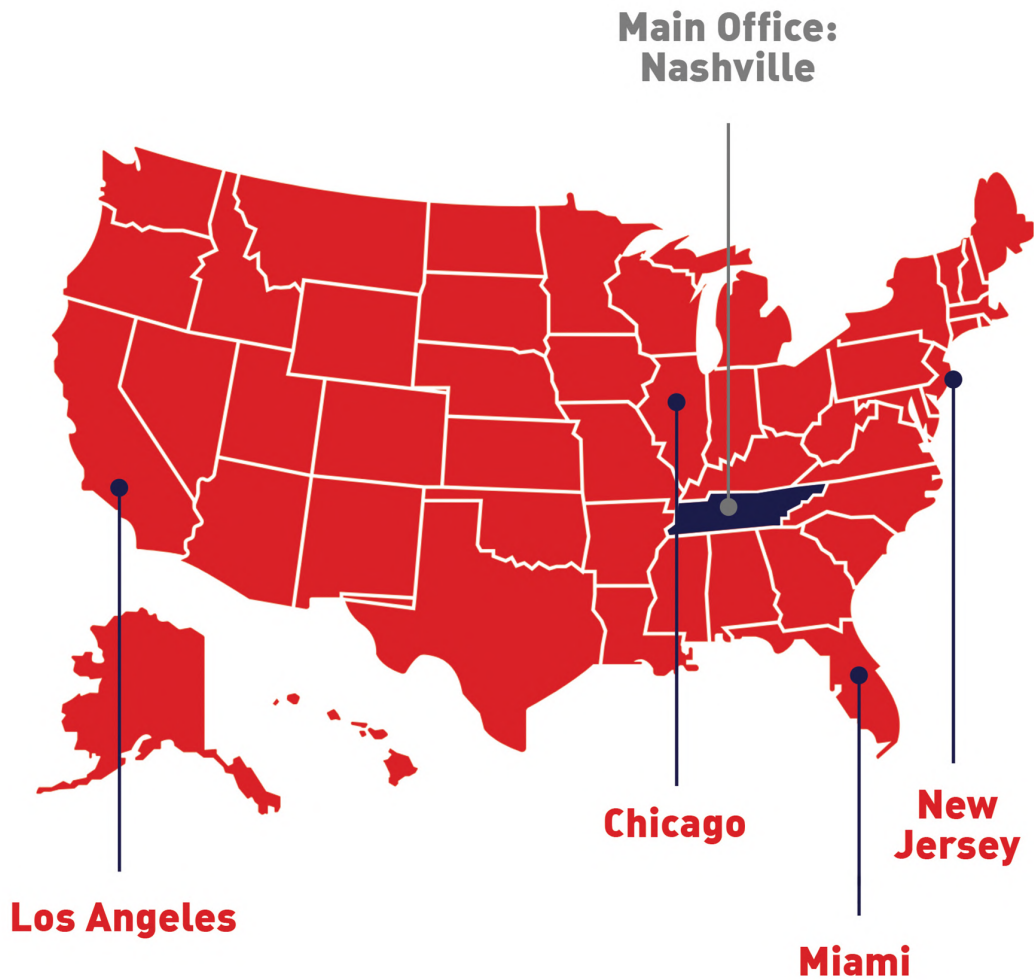
TLG MATERIALS
**Galvanized Steel
Sign Bond**

.010"
(0.25 mm)

3 mm, 6 mm

- 5-year warranty for interior
use; suitable for exterior use
if exposed edges are treated

LOCATIONS



Main Office:

Nashville: 320 Seven Springs Way, Suite 250, Brentwood, TN, 37027

Warehouses:

Monroe Township: 380 Deans Rhode Hall Rode, Monroe Township, NJ, 08831

Chicago: 1055 W Devon Ave Suite 300, Itasca, IL, 60143

Los Angeles: 2700 S Eastern Ave Commerce, CA, 90040

Miami: 13250 NW 25th Street Suite 10, Miami, FL, 33182