GreenDotSign®

Beautiful signs for a better planet

Wooden Architectural Signs
Product Data Sheet

MasterFormat 10 14 67 Tactile Signage, 10 14 15 Interior Signage 10 14 16 Plaques, & 10 14 19 Dimensional Letters

MANUFACTURER
Green Dot Sign, Inc.
324 Stonebridge Blvd.
St. Paul, MN 55105

Revised: 12/2022

Solid 3/4" birch, 45° chamfer at 3/8" depth, GDS tactile characters & smoked aluminum laminate inlay

Solid aspen with opaque white printed face, GDS tactile characters and natural edges sealed with Bio-Blend oil

Dyed black wood with 10%K raised letters and clear braille

DESCRIPTION

Green Dot Sign® Wooden Architectural Signs utilize solid and engineered woods as a base material. All the standard forming, shaping, joining and finishing practices of woodworking, as well as the etching, painting, installation, full color printing and 3D printing of sign decorative are combined. The result is world class signage featuring in-demand, authentic materials.

This data sheet provides designers information on standard and custom fabrication options and addresses common manufacturability questions. For additional information please visit greendotsign.com.

PRIMARY USES

Visual and tactile character ADA signs, code signage, wayfinding signs, directional signs, directories, maps, dimensional letters, decorative elements, informational signs, wall logos and decorative installations.

Characterstic	Parameter
Tactile Elements	Direct Bonded 3D Printed Thermoset Acrylic
Raised Colors	CMYK + W & Clear
Flat Colors	CMYK + W, Opaque or Transparent for Some Colors
Installation	Foam Tape, VHB, Studs, Cleats & Through Holes
Standard Sealers	Oil Blend, Bio-Based Oil, Aqueous Matte (species specific), Satin or Gloss Non Yellowing Varnish
Standard Woods, Solid	Ash, Aspen, Birch, Cedar, Cherry, Maple, Pine, Red Oak, Walnut & White Oak
Standard Woods, Engineered	Baltic Birch Plywood in 1/8", 1/4", 1/2" & 3/4" Nominal Thickness

SOLID WOOD THICKNESS

Solid woods are offered in standard thicknesses of 1/2" or 3/4". All species may be thicker than 3/4". In sizes under 10" x 10", Ash, Birch, Cherry, Maple, Walnut and White Oak are available in 1/4" thicknesses. A limited size range of 1/8" thick solid woods are available.

NON-STANDARD SOLID & ENGINEERED WOODS

Practically any woods may be used for most signs. However, tactile signs require a more limited set of woods due to manufacturability, and certain species may only be used with specific finishes.

LIMITATIONS

Green Dot Sign® Wooden Architectural Signs are for interior use.

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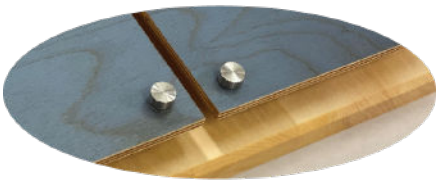
FULL COLOR PRINTING
Full color printing can be specified in any CMYK + W combination, from solid to photographic. Full color printing may be applied to any flat surface under 2" thick, so edges are often natural, fine sanded then sealed.

Low density pigment colors can create a transparent appearance. This allows wood grain to be seen through the print and can enchance design. Light color woods such as aspen, birch, bass and maple are good choices when deciding on transparent printing.

Specify opaque colors, created by white undercoats, for vivid colors or Pantone matching.



Light blue allows grain from Baltic birch plywood to be seen through the print.

TACTILE CHARACTERS & OTHER 3D PRINTED ELEMENTS
ADA tactile characters are 3D printed directly to sign substrate. This utilizes Green Dot Sign® patented 3D printing to insure a tight, long lasting bond between dissimilar materials. The top of letters has a white coat, followed by any CMYK + W color combination. Braille may be CMYK + W or clear. This method can also be utilized to 3D print any element under .032", such as borders and decorative features.

Opaque, vivid Pantone match colors contrast beautifully with wood tones.

CNC ROUTING
Sign shapes, dimensional letters and more may be routed to shape. Default bit diameters are 1/4" or 1/8" with diameters as small as 1/32" available.

PAINTING
Flat signage may have any surface painted, or left natural in any combination. Dimensional letters and curved signs may have faces and edges, or edges painted with natural faces.

Edge painted letters can help add dimension, visual appeal and color contrast.

DYEING
Solid and engineered woods may be dyed in black, green, red, orange, pewter, yellow and blue. Dyes are applied to all sign sides.

ETCHING
Elements may be laser etched or CNC engraved. CNC engraving may be paint or stain filled.

LASER CUTTING
Laser cut elements of thin wood can be used as dimensional letters and design elements. This may be installed to a wall or backer. Laser cut edges may be painted, or left their natural blackened color.

Solid cherry with bio-blend oil, preassembled for installation

Did you know?

Replacing one 6" x 9" acrylic sign with one wooden sign reduces natural gas demand by 1/4" pound. It also replaces non-biodegradable, rarely recyclable plastics with renewable and naturally beautiful wood.

All projects available with FSC Chain of Custody
FSC C019842

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EDGE PROFILE
Standard edge profiles include eased or 45° chamfers. 45° chamfers may be applied to all four or one side. Many other edge profiles are available.

INLAYS
Inlaying is a cost effective way to add wood, metal, stone, decorative laminates, fabrics and more to your signage. Standard inlay widths are 1/4", 1/2", 3/4" and 1".

WOOD FINISHES AND SEALERS
Our default sealer is a relatively fast drying oil blend. Light woods yellow slightly with this finish. It penetrates into woods and slowly polymerizes, providing extra protection and moisture resistance. Aqueous sealer, matte and satin non-yellowing finishes are also standard products. While non-standard finishes or stains are never an issue, we recommend against products that do not penetrate well, such as many two part paints.

INSTALLATION
Installation varies by sign type, size and mating surface. Flat wall mounted signs may use double sided tape, cleats, flush mount cleats, blind tapped holes with studs, pre-assembled studs or pins, standoffs, through holes and more. Dimensional letters may utilize the same, as well as, railsor brackets on top or bottom. Projecting, or "blade", signs may have intrinsic wooden or metal brackets, off-the-shelf third party hardware or installer produced components.

Installer assumes responsiblity for proper installation method and attention paid to appropriate anchors, wall integrity, paint cure and location.

Direct tapping wood is a cost effective installation method

Blue painted solid 3/4" aspen, 45° chamfer at 1/2" depth, in natural color, fine sanded and sealed

Solid 1 1/4" walnut with compound angle edge reveal, GDS tactile characters, fine sanded 100% bio oil sealed

AVAILABILITY AND COSTS
Each Green Dot Sign® is made in the USA. Typical projects take 3 to 12 weeks, and typical costs are $30 to $120 for code and ADA signage.

MAINTENANCE & REPAIR
A Green Dot Sign® is maintenance free. Clean as needed with detergent and water sprayed on a soft rag. Wipe dry with a clean rag. Do not use strong solvent or ammonia based cleaners. In event of disfigurement woods surfaces may be sanded and sealer re-applied on site.

WARRANTY
Green Dot Sign® Wooden Architectural Signs are guaranteed to be free of all defects in material and workmanship at time of delivery.