



A. SOLID PHENOLIC PANELS

- Available as interior or exterior rated.
- Panels 1/2" thick and greater are self-supporting.

APPLICATIONS

- Single-Sided Signs (solid or mounted on substrate)
- Double-Sided Signs (solid or mounted on substrate)
- Permanent and Portable Flooring
- Single-Sided Flip-up Panels
- Double-Sided Flip-up Panels
- Double-Sided Flip Books
- Complex Cut Shapes
- Superimposed Panels
- Multi-Section Murals
- Tables/Benches
- Countertops
- Casework

1. PANEL THICKNESSES & WEIGHTS

- | | |
|-----------------|----------------|
| • 1/16" approx. | 0.45lbs./sq ft |
| • 1/10" approx. | 0.72lbs./sq ft |
| • 1/8" approx. | 0.91lbs./sq ft |
| • 1/4" approx. | 1.80lbs./sq ft |
| • 1/2" approx. | 3.60lbs./sq ft |
| • 3/4" approx. | 5.40lbs./sq ft |
| • 1" approx. | 7.20lbs./sq ft |

2. PANEL SIZES & FINISH AVAILABILITY

Thickness	Interior Grade	47" x 95 1/2"	47" x 119 1/2"	59" x 95 1/2"	59" x 119 1/2"	59" x 143 1/2"
		Diamond	Diamond	Diamond	Diamond	Diamond
		Cashmere	Cashmere	Cashmere	Cashmere	Cashmere
		Velvatex	Velvatex	Velvatex	Velvatex	Velvatex
		Gloss	Gloss	Quartz	Quartz	Gloss
		Quartz	Quartz			Quartz
		Quartz floor grade	Quartz floor grade			
		Superior NS™				
		Xtreme Crystal™	Xtreme Crystal™	Xtreme Crystal™	Xtreme Crystal™	Xtreme Crystal™
Thickness	Exterior Grade	UV Diamond	UV Diamond	UV Diamond	UV Diamond	UV Diamond

- Full sheet artwork should be set-up with margins listed in [Maximum Graphic Area](#).
- See below for finish descriptions.
- Other thicknesses available in minimum quantities.
- White backer standard on 1/16", 1/10", 1/8" and 1/4" panels.
- Black backer standard on 1/2", 3/4" and 1" panels.
- May be supplied with sanded back for adhesive mounting.
- See Folia Panel & Sheet Back Options below for more information on [backers](#).
- Black edge is standard.
- Multiple-color edges available in minimum quantities (Candystripe).



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3. DOUBLE-SIDED PANEL OPTIONS

- Our standard double-sided panels are a solid, single piece. Consult your sales representative or project manager for artwork standards.
- Double-sided panels with graphic borders or centered elements may consist of (2) panels attached back to back.
- Same finish required on both panel sides when using : gloss, cashmere or diamond finishes.
- Finish may be combined when on opposite panel sides when using : quartz or velvatex finishes.

4. MOUNTING OPTIONS

- 1/16", 1/10", 1/8", 1/4" panels: adhesive, visible fasteners or frame.
- 1/2", 3/4" and 1" panels: visible or concealed cleat fasteners.

B. HIGH PRESSURE LAMINATE (HPL) SHEETS

- Available as interior rated only.
- Must be mounted to a rigid surface. See recommended [mounting substrates](#) below.
- Supplied with sanded back for adhesive mounting.

1. 1/16" GENERAL USE (0.045"/1.14 mm)

- Horizontal and vertical applications.
- Typical uses: furniture, floors and floor tiles, murals, mounted graphic pieces.
- Weight: 0.34lb/sq ft.

2. 1/16" POSTFORM USE (0.030"/0.79 mm)

- Postformed or vertical applications only.
- Minimum postformed exterior radius: 5/16" (8 mm).
- Typical uses: furniture, murals, mounted graphic pieces, heat-formed pieces.
- Weight: 0.30lb/sq ft.

3. PANEL SIZES & FINISH AVAILABILITY

Interior Grade	48" x 96"	48" x 120"	60" x 96"	60" x 120"	60" x 144"
Diamond	Diamond	Diamond	Diamond	Diamond	Diamond
Cashmere	Cashmere	Cashmere	Cashmere	Cashmere	Cashmere
Velvatex	Velvatex	Velvatex	Velvatex	Velvatex	Velvatex
Gloss	Gloss	Quartz	Quartz	Gloss	
Quartz	Quartz			Quartz	
Quartz floor grade	Quartz floor grade				
Superior NS™					
Xtreme Crystal™	Xtreme Crystal™	Xtreme Crystal™	Xtreme Crystal™	Xtreme Crystal™	Xtreme Crystal™

- Full sheet graphic artwork should be set-up with margins listed in [Maximum Graphic Area](#).
- See below for [panel & sheet finish options](#).

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WHY SPECIFY FOLIA HIGH PRESSURE LAMINATE PANELS & SHEETS?

- 35 years of experience in an industry we founded.
- Most technically advanced color lab in the digital graphics industry.
- Personal service: specific project manager assigned for the length of each project.
- Technical support available to you at all times (for suggestions, advice and assistance with our Design Guidelines).
- Preflight department ensures complete accuracy of your graphic files.
- Colors precisely matched to your requirements.
- 12-color high definition printing standard, no additional charge.
- Sign edges sanded and polished.
- Six quality control inspections performed during our manufacturing process.
- Custom constructed, padded crates provided for each shipment.
- Limited 10-year warranty.
- Conforms or exceeds NEMA industry standards.
- Qualifies for LEED project points.

FOLIA PROOFS (Consult your representative for pricing information.)

LAMINATE COLOR PROOFS

- A lab test on actual laminate is the best, color-accurate representation of the finished product.
- 8" x 10" portion of your full-scale file pressed into 1/16" laminate and sent to you for approval.
- To see a specific area on the proof in order to verify color, contrast and sharpness, identify it on a separate PDF with a border in a contrasting color.
- Also available in 11" x 11".

PAPER CONTENT PROOFS

- 11" x 17" paper proofs are the most economical way to verify layout content.
- Larger layouts are reduced to fit the 11" x 17" printable area.

FULL-SCALE PAPER PROOFS

- Allows verification of content and legibility at full size.

HALF-SCALE PAPER PROOFS

- More economical than the full-scale, half-scale proofs allow accurate content verification.
- Best for large layouts with text that would be unreadable when reduced to 17" x 11".
- Quarter-scale proofs also available.

PDF PAPERLESS PROOFS

PANEL & SHEET FINISH OPTIONS

Finish	Description	Surface Gloss Value*
• Cashmere	Fine, matte texture with a slight sheen	8-12
• Diamond	Fine, beaded texture which minimizes smudges, finger marks & offers optimum scratch resistance	10-16
• Velvutex	Smooth furniture finish texture	10-20
• Laqwood	Slightly embossed woodgrain texture	20-30
• Gloss	Flat texture with high sheen	90-110
• Superior NS™	smooth finish with a perfect shininess that brings colors to life	8-18
• Xtreme Crystal™	delicate texture that accentuates the brilliance and vibrancy of the colours	18-28
Floor Finish		
• Quartz	Fine, beaded texture which minimizes smudges, finger marks & offers optimum scratch resistance.	10-16

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PANEL & SHEET BACK OPTIONS

All panels and sheets 1/16" to 1" thick may be pressed with different back specs.

Choose:

- 0.030", 0.045" Standard: sanded
 - 1/16", 1/10", 1/8" Standard: white; available: sanded, black
 - 1/4" Standard: white; available: sanded, black
 - 1/2", 3/4", 1" Standard: black; available: sanded, white
-
- Sanded Textured for adhesive mount.
 - Black May be sanded or left as is.
 - White Offers better stability, therefore white backing is recommended on thin panels in order to reduce the risk of warping. Best for frame mounting. Cannot be sanded.

MAXIMUM GRAPHIC AREA PER FOLIA SHEET SIZE

3' x 8' (HPL only)	35" x 95 1/2"
4' x 8'	47" x 95 1/2"
4' x 10'	47" x 119 1/2"
5' x 8'	59" x 95 1/2"
5' x 10'	59" x 119 1/2"
5' x 12'	59" x 143 1/2"

EDGE OPTIONS

- All edges sanded, cleaned and polished.
- HPL sheets : 1/16", 1/10", 1/8" standard: square edge.
- 1/4", 1/2", 3/4" and 1" thick panels standard: 1/16" beveled edge.
- Other options available.



ROUNDED CORNERS & SPECIAL SHAPED PANELS

- Supply a closed vector cut shape on a separate "Do not Print" layer of your layout file and copy it in a separate Adobe® Illustrator® file.
- For instructions see [Design Guidelines](#).

HARDWARE

Send drawing if your SH[i] quote includes drilled holes or threaded inserts for mounting to a structure not supplied by SH[i]:

- Provide measurements from edge of panel to center of hole or from center of hole to center of next hole.
- Specify hole diameter clearly on drawing (we recommend 1/16" larger than the diameter of screw thread).
- Indicate required mounting screw length on your drawing. The required length is established by adding thickness of the mounting plate to the depth of the insert. For example, panels using 3/8" deep inserts mounted on a 1/4" thick mounting plate will require 3/8" + 1/4" = 5/8" screws.
- Stainless steel security hardware provided (security screws, inserts, bit and hex-key).
- Standard hardware vary with the panel thickness:
 - 3/8" deep inserts with 1/4"-20 screws for 1/2" panels;
 - 1/2" deep inserts with 3/8"-16 screws for 3/4" panels;
 - 3/4" deep inserts with 3/8"-16 screws for 1" panels.

MOUNTING STRUCTURES

- Pedestals (in-ground or flange mounted).
- Colonial posts (in-ground or flange mounted).
- Podium.
- Custom frames.

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RECOMMENDED MOUNTING SUBSTRATES (Interior Only)

- HDF or MDF (high or medium density fiber board).
- Particle board (dense, high quality).
- Plywood.
- Plyboo (bamboo plywood).
- High-density Paper honeycomb.
- Polypropylene honeycomb.

MAINTENANCE

Clean only with non-abrasive cleaners, like water with mild soap, followed by a warm water rinse and dry with a clean, soft cloth. If stain persists, use a mild all-purpose cleaner like Windex with a damp cloth, rinse and dry. For very resistant stains, mix with baking soda and water to form a paste and clean with a soft brush using a circular motion. About 10 to 20 cycles will be sufficient to remove most stains. Rinse with warm water and dry with a clean, soft cloth.

To remove graffiti, use "Professional's Choice"™ Smooth Max Graffiti Remover and, if shadows persist, use Professional's Choice™ Shadow Max™. Rinse with warm water and dry with a clean, soft cloth. Be careful to not damage the surface or its finish by bearing down too hard or over-cleaning. [For PDF click here.](#)

HANDLING & INSTALLATION

- Work in a clean, dust-free environment.
- Move panels by first lifting and separating, never drag one on another.
- To remove abrasive elements (like sand and dust) and avoid damaging or scratching the surface of the product, use compressed air or a soft brush.
- When working on the back of the product, protect the printed side with a sheet of corrugated cardboard or cloth (never paper—too abrasive).
- Folia products may be cut, drilled and shaped with carbide-tipped tools used in woodworking.
- Through-holes must be drilled from the front face to the back using a carbide pilot-point bit.
- Do not insert fastening devices in the edges of folia products (nails, screws, bolts, pins, hooks, biscuits, etc.).
- Allow time for folia product to adapt to ambient conditions in order to avoid later expansion, contraction or warping. Place the materials near place of installation at room temperature (73 °F/23 °C with relative humidity ranging between 45% and 55%). Store in these conditions for a minimum of 72 hours to allow moisture and temperature to stabilize.
- Consult your representative or project manager to chose the proper adhesive. Bonding surfaces must be sanded and cleaned to be completely free of grease, wax, dust and any other contaminants. The surface should be smooth and uniform, free of any elements that could cause poor adhesion or raise a bump, especially on sheet surfaces.
- Apply uniform pressure over the entire surface with a J-roller. Pressure and rolling duration depends on the type of adhesive used. Contact your representative or your project manager for guidance.
- When gluing folia laminate sheets to a substrate, apply a folia backer sheet to the substrate's reverse side to counteract potential warping.

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