



ALTO SUB-SURFACE GRAPHICS ALUMINUM, STEEL, GLASS & CERAMIC PANELS

- Exterior and interior rated.
- Typical uses: murals, wayfinding, signage.
- Graphics continue onto edges/returns.
- Possible uses: flat, textured and tridimensional surfaces.

APPLICATIONS (METAL ONLY)

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

BACKSIDE FINISH

- Standard – Substrate's color.*
- White – Available on metal panels only.

* For metal panels with a white undercoat, it is possible that the electrostatic paint will transfer to the back of the panel.

A. ALUMINUM PANELS

- Maximum panel size: 48" x 96" – Subject to confirmation of thickness, weight and shape.
- Maximum "to-be-folded" aluminum thickness: 1/8".
- Maximum height of 3D objects: 4".
- Holes must be made prior to processing.
- Standard: white background with transparent coating. Available: metallic-look background with transparent coating.

Thickness	Options	UV Textured (Exterior)	UV Matte (Exterior)	Textured (Interior)	Matte (Interior)	Gloss (Interior)
0.091"	White & Transparent	X	X	X	X	X
	Transparent	X	X	X	X	X
1/8"	White & Transparent	X	X	X	X	X
	Transparent	X	X	X	X	X
3/16"	White & Transparent	X	X	X	X	X
	Transparent	X	X	X	X	X
1/4"	White & Transparent	X	X	X	X	X
	Transparent	X	X	X	X	X

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B. COLD-ROLLED STEEL without oil

- Maximum panel size: 48" x 96".
- Maximum panel thickness: 1/8".
- Maximum height of 3D objects: 4".
- Holes must be made prior to processing.
- Not recommended for exterior.
- Sixpro exclusive E-coat pre-treatment.
- Stainless steel panel must be sand blasted prior to powder coating.
- Standard: white background with transparent coating. Available: metallic-look background with transparent coating.

Thickness	Options	UV Textured (Exterior)	UV Matte (Exterior)	Textured (Interior)	Matte (Interior)	Gloss (Interior)
0.091"	White & Transparent	X	X	X	X	X
	Transparent	X	X	X	X	X
1/8"	White & Transparent	X	X	X	X	X
	Transparent	X	X	X	X	X

C. TEMPERED GLASS WITH AT LEAST ONE SATIN SIDE

Powdercoat will be applied on the satin side.

- Maximum panel size: 48" x 96" – subject to confirmation of thickness, weight and shape.
- Maximum height of 3D objects: 4".
- Polished edges.
- Beveled edges available.
- Holes must be made prior to processing.
- For indoor use only.
- Transparent glass is standard.
- Powder coated glass is not suitable for all applications. Check with your representative before proceeding.

Thickness	Textured
3mm	X
5mm	X
6mm	X

D. CERAMIC TILES

- Wall application only.
- For indoor use only.
- White ceramic tile as a substrate only.

Options	Textured
Transparent	X

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WHY SPECIFY ALTO?

- Environmentally friendly process.
- No VOC produced by graphic process.
- Durable and water resistant.
- UV and graffiti resistant.
- [10-year warranty](#).
- Easy to maintain (graffiti easily removed with environmentally friendly cleaner with no residual ghosting).
- Spectacular colors – ask for a sample.
- Tridimensional or textured material.
- 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.
- In-house design department available to create visuals that will meet your needs.
- Offer the possibility to design panels with [integrated mounting system \(for aluminum and steel\)](#).

ALTO COLOR PROOFS

- ALTO color proofs are the best, color-accurate representation of the finished product.
- Available in 7" x 9-3/4" for aluminum and 6" x 8" for glass.

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

MAINTENANCE

Clean only with non-abrasive cleaners like Windex, water with mild soap, followed by a warm water rinse, and dry with a clean, soft cloth.

To remove graffiti, use "Disappear-Organic Graffiti, Adhesive and Paint 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.

[Click here to download PDF.](#)

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HOLES

- All holes must be drilled prior to powder coating.

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 by adding thickness of the mounting structure to the thickness of your Alto panel.
 - Stainless steel security hardware provided (security screws, bit and hex-key).

MOUNTING STRUCTURES

- Alto™ signage system.
- Pedestals (in-ground or flange mount).
- Colonial posts (in-ground or flange mount).
- Podium.
- Custom frames.

Please consult your representative for additional information.

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