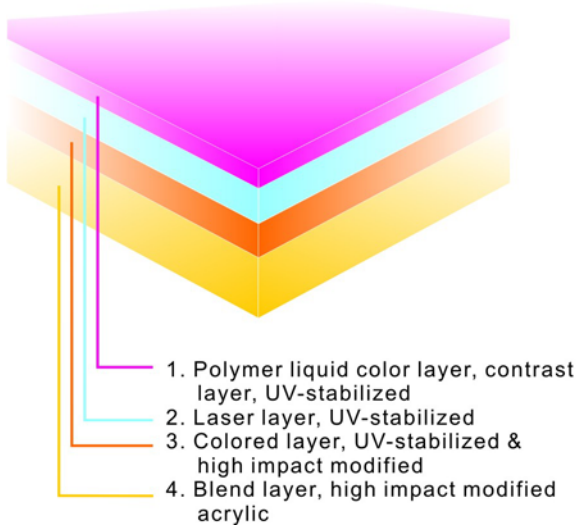




Working with Multigraph

Multigraph: One material. All applications

Multi-Layer Sheet Construction



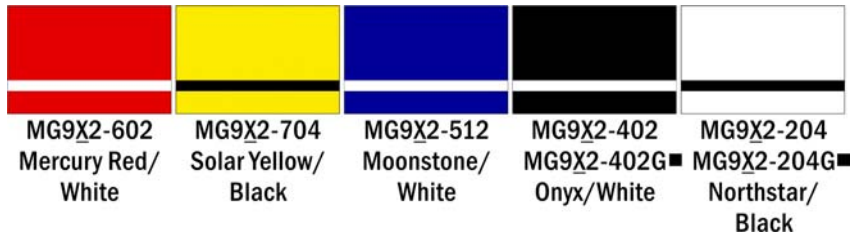
Key Product Features for this product:

- excellent surface durability
- laser & rotary engravable
- outdoor weatherable & UV-stable
- extensive design possibilities
- smooth, effortless lasering at low power and high speeds
- great for laser vector cutting
- fine detail engraving
- photo lasering
- high impact strength

General Product Specifications:

Material:	Multi-layer high impact acrylic
Finish:	Matte non-glare Gloss
Sheet Size:	24" x 48"
Thickness 2 ply	1/32" (0.8mm) 1/16" (1.6mm)
	Gauges are approximate
Engraving method	Laser Rotating Carbide Router
Cutting Depth	.003" (.08mm)
Usage	Interior signage, exterior signage, ADA compliant (matte only), Personal Identification, Industrial tags.

Multigraph is offered in 5 colors, two of which are offered with a gloss finish.



Multigraph has specially engineered masking

Multigraph's masking is unlike any used on other Rowmark Products. Typically, Rowmark products have a clear masking, many with the Rowmark logo printed on the masking. The Multigraph products are distributed with a specially tinted blue masking. Please note the masking color when initially opening your Multigraph order. Peel back a small corner of the masking to ensure you have received the correct product color.

Multigraph applications

- exterior signs
- interior signs
- personal identification
- identification plates
- directory signs
- ADA signs
- plus more

LASERING MULTIGRAPH:

Vector Cutting Multigraph:

Due to the highly innovative multi-layer sheet construction it is recommended that the masking be left on when vector cutting. Doing so will yield in a cleaner edge on the material and will help to eliminate additional clean up due to residue deposited during lasering. If engraving is required, do the vector cut out first while leaving the plate in place and then do the raster-engraving step.

Vector Cutting Settings

For best results, leave masking on the material when vector cutting.

Settings on a 60 Watt Trotec laser: 100 Power 5 Speed for 2 Passes.

Settings on a 40 Watt Universal laser: 70 Power 2.5 Speed for 2 Passes.

Raster Lasering Multigraph:

Multigraph is extremely laser friendly. The polymer liquid cap engraves faster and with less residue than traditional laminated products. Multigraph also does an outstanding job with photo lasering projects and exhibits less warping than other materials.

Raster Lasering Settings

Use low power and high speed settings when laser engraving.

Settings on a 60 Watt Trotec laser: 60 Power 100 Speed.

Settings on a 40 Watt Universal laser: 50 Power 100 Speed.

ROTARY ENGRAVING MULTIGRAPH:

The engraving depth for Multigraph is .003". Rotary engraving Multigraph provides clean, crisp edges and sharp graphics. The top surface is also resistant to scratches and marring and under typical use should resist scratching from a plastic nose cone.

Like all rotary engraving, it is recommended that a vacuum system be used to remove debris. This will ensure that the engraving depth is consistent and that there is less chance of scratching of the surface during engraving.

Cleaning Multigraph:

The following cleaning agents should be used to clean Multigraph:

- *Dish Soap (non citrus)*
- *Novus Plastic Polish Level 1*
- *Furniture Polish*

1. As a general rule, Rowmark recommends using mild soap and water whenever possible.
2. Test a piece of scrap or small area of the material before cleaning entire piece.
3. Use only soft cloths or sponges for cleaning. Do not use Brillo®/S.O.S.® pads or steel wool.
4. Use a Q-Tip® to clean small areas
5. Rinse with warm water.
6. Ultrasonic cleaning is NOT RECOMMENDED for any Rowmark product.
7. To remove dust from engraved areas, try compressed air before any solvent cleaner.
8. Cleaners with abrasives, such as Comet® brand cleaner, are not recommended.