

# FLOOR SIGNAGE, LLC

## Production Instructions for **ALUMIGRAPHICS**<sup>®</sup>

THE WORLD'S MOST VERSATILE PRINT MEDIA FOR BRICK, ASPHALT AND CONCRETE

All AlumiGraphics products are compatible with solvent, eco-solvent, latex and UV curable inks. Additionally, AlumiGraphics Smooth is compatible with UV off-set and wide format screen printing.

### HANDLING MATERIAL:

1. Handle rolls with care, do not drop on end.
2. Do not store rolls on end or set flat on table. Store horizontal, elevated with provided suspension end caps.

### AVOID HEAD STRIKES:

The most important step to prevent head strikes is to keep the material flat under the print carriage. It is strongly recommended to use a take up roll with tension and vacuum to keep the material flat during printing. To maximize material yield, use any type of vinyl on the take up roll as a leader and tape it to the underside of leading edge of AlumiGraphics.

### PRINT PROFILES:

Profiles are available from the website homepage, [www.AlumiGraphics.com](http://www.AlumiGraphics.com). Look for the 'Printer Profile Download' button on the top right corner, from there select the printer and download the profile. The list is constantly updated. When using a printer that there is not an ICC profile available, a gloss calendared vinyl or banner setting works in most instances on AlumiGraphics Grip and a matte calendared vinyl or banner setting on AlumiGraphics Smooth.

Alternative setting suggestions:

Media Type : Self Adhesive 16 – 20 Pass, Uni-directional

Quality: good quality and firing pattern setting like 1440x720 Fine & Fog 3

Drying: 113°F – 131°F / 45°C – 55°C

Curing: 122°F - 221°F / 50°C – 105°C

High heat settings can be used on AlumiGraphics (up to 221°F / 105°C) to cure the inks because the material is aluminum foil and does not react to heat like vinyl products.

### PRINTING FASTER:

Change to bi-directional if desired however always try that first before moving to unidirectional to beat drying/rub issues. Latex ink does not dry well sitting on its own after the printing. It may work if only using light colors/coverage since the unidirectional was based on the max possible ink load and what is being printed. Another option is to go bi-directional but up the pass count if needed. Use authorized printer profile or alternative settings to ensure proper cure temperatures are applied.

### LARGE SCALE GRAPHICS SUGGESTIONS:

- AlumiGraphics Grip versions should be tiled edge to edge, no overlapping. AlumiGraphics Smooth versions can be overlapped.
- Since AlumiGraphics does not stretch or shrink, it is very important that the roll to roll tension is set properly and consistently through the printing to ensure best alignment. It can be printed edge to edge to provide better material yield plus time and cost savings.
- When planning the layout of the panels with text or detailed designs, strategically align the seams along blank or busy areas where alignment is less critical, such as between letters to make installation easier and faster.

### CUTTING:

Cut-to-shape on most print & cut, plotters and routers, guillotine, steel rule die cut and manually with scissors.

1. On AlumiGraphics Smooth, standard 30 degree blades with perform fine.
2. On AlumiGraphics Grip, 60 degree blades are recommended. Carbide or titanium blades (when available) are best when cutting large quantities of material.
3. When cutting stars or shapes with points on horizontal applications, add a contour or boarder to increase surface area for stronger adhesion and the likelihood of the graphics performing as desired.

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