


TECHNICAL DATA SHEET			
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PRODUCT		AlumiGraphics®	

Description

AlumiGraphics® is a versatile, innovative wide-format 100% recyclable media made from pliable aluminium foil with a white finish that accepts a wide range of solvent, eco-solvent, latex and UV inks. AlumiGraphics® offers durability, ease to use and direct print without having the complexity of needing overlamination.

Applications


- Pavements and walkways
- Exterior walls and facades.
- Entrances and vestibules
- Stairs, aisles and rows
- Lift and escalator entries
- Parking spaces and curbs
- Stadia or arena
- Patios and courtyards
- Factory and warehouse
- Concourses and landings
- Elevator & Escalator Entries

Features & Benefits

- Ideal for both outdoor and indoor use
- Rugged aluminum foil material naturally conforms to the texture of rough or smooth surfaces, appears as a painted graphic
- Aluminium is superior to vinyl....no shrinkage....no memory
- Print direct-to-surface with no over-laminate required
- Wide 1350mm media provides greater coverage and production yield; usable edge to edge and available in roll lengths of 9.14 and 22.87m
- High friction surface provides exceptional slip resistance exceeding international anti-slip standards in both dry and wet conditions
- AlumiGraphics® Grip's reflective surface is highly visible, great for wall applications
- Proven durability for long term and short term use that withstands heavy pedestrian traffic in all weathers for up to 1 year
- Easy installation and removal with a high performance pressure sensitive adhesive; sweep the surface, peel off the liner and apply to the desired surface
- Pressure sensitive acrylic adhesive backing provides superior holding strength and does not require professional installation
- Requires no heat source for application
- Simple peel off removal with typically no residue remaining on surface
- Environmental friendly with no PVC or hazardous elements and can be disposed with aluminum recycling
- Compatible with UV, Solvent, Eco-Solvent & Latex printers

Disclaimer

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.

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Types of Printers & Results

- UV Curing = best print & color quality plus longevity
- Latex (new models) = great imprint and cost efficient
- Solvent = lighter color saturation, less vibrant imprint, and good short term

Production & Handling Recommendations

AlumiGraphics® base material is aluminum foil, handle with care.

1. Dents can be rolled out.
2. Use a retrieval / pick-up roller on roll-roll and hybrid printers to protect material and avoid head strikes.
3. On flatbed printers use the vacuum system and flatten any wrinkles or raised areas to be flush with the table bed.
4. Head height should be set at approximately ¼" for detailed printing and higher if not as much detail is required.
5. For printers that require long leader set-up, we recommend taping on a leader piece of any type of vinyl media long enough to go through the load process without pulling the media through during loading. After it is completed with the loading, then advance the media forward – and use edge guards.

Large Format Digital Printer Compatibility:


1. For best results, request a profile from the current list of profiled printers, printer driver conversions and rip software.
2. UV printers provides best print and longevity.
3. Latex printers deliver good imprint and inexpensive to operate.
4. Solvent and eco-solvent printers typically have less vibrant imprint than UV and may show signs of fading after 9+ months of exposure

Cutting AlumiGraphics® Grip can be performed on;

1. Flatbed Plotter (titanium blades are recommended when available).
2. Die cut.
3. Guillotine.
4. Manually with scissors.

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Installation

Easily applies direct to an infinite variety of surfaces including sealed and unsealed concrete, tarmac, brick, tile, terrazzo, marble, and vinyl flooring plus vertically on brick, stucco, cinderblock and other exterior masonry wall surfaces.

Surface Preparation

1. The surface must be clean and thoroughly dry for proper performance.
2. Usually, thorough sweeping is sufficient, but if the surface is oily, it may need to be power washed with a commercial degreaser.
3. Avoid applying over loose or caked dirt, gravel, oily residues, flaking paint or other foreign substances that will interfere with proper bonding.

Standard Application

1. Recommended surface temperate should be 32 degrees Fahrenheit or higher.
2. Sweep dry surface clean of dirt & debris.
3. Peel off the backing paper (release liner) from the pressure sensitive adhesive.
4. Lay down flat on the selected location.
5. Smooth by hand from the center to outer edge, be sure all edges lay flat then firmly press down, step on or use any type of roller to compress to the surface
6. Make sure all edges are completely adhered.
7. Large scale graphics should be tiled edge to edge with no overlapping


Maintenance

1. Wet the graphic and sweep with a broom; avoid harsh cleaning chemicals to extend the product life.
2. Can withstand limited power washing, intense power washing can cause the edges to come loose.
3. To avoid risk of trip hazard injury, immediately remove graphics if any edge of the graphic lifts and replace with a new graphic.

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Removal

1. Generally easy to remove on wall and pedestrian walkway applications; rough surfaces and/or vehicular traffic may increase the difficulty in removal.
2. Simply peel off at an angle less than 45 degrees for best result; typically leaves no residue.
3. Use power washer at a low angle to remove well-worn graphics.
4. Severely worn-in graphics on rough textured surfaces may require combination of scrubbing with wire bristle brush and rinsing from hose or power washing.
5. If there is adhesive residue; remove with cleaning solvents, mineral spirits or burn with gas flame.
6. Environmental/eco considerations: contains no PVC or hazardous ingredients; dispose with aluminum recycling.

Important: graphics placed on asphalt or other rough surfaces in locations where heavy vehicle traffic is present could be difficult to remove.

Specifications

Property	Parameter
Film Thickness	0.40mm
Adhesive Thickness	0.05mm
Liner	0.13mm
Service temperature	-40°C to 90 ⁰ C
Storage temperature	10 - 32°C
Application temperature	0°C or warmer

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