



BUBBLE FREE DIGITAL MEDIA

Product Guide | Bubble-free Digital Media



Easy-to-print, easy-to-install bubble-free digital media solutions for any application.



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Innovative Product Portfolio.

Mactac® takes a distinctively different, specialized approach to its product solutions development. It's an approach with roots in quality, consistency and innovation. Our ingenuity in product development is the driving force behind the success of IMAGin® B•free®, a product line unlike any other in the industry.

IMAGin B•free Digital Media									
Category	High-Performance Air-Egress Media			Promotional Air-Egress Media			Window Air-Egress Media		
Product	B•free Gruv	B•free Gruv	B•free Gruv	B•free Gruv	B•free Gruv	B•free Gruv	IMAGin®	IMAGin	IMAGin
Code	GVC929BFD	GV729BFD	GV529BFD	GV428P	GV429P	GV429R	JT5796MBF	JT5798MBF	JT5999MBF
Face	2.0 mil Cast PVC	2.7 mil Vinyl	3.0 mil Vinyl	3.2 mil Vinyl	3.2 mil Vinyl	3.0 mil Vinyl	3.1 mil Vinyl	3.1 mil Vinyl	3.1 mil Vinyl
Finish	Gloss	Gloss	Gloss	Matte	Gloss	High Gloss	Frosted Matte	Dusted Matte	High Gloss
Color	Bright White	Bright White	Bright White	White	Gloss White	Bright White	Translucent	Translucent	Clear
Adhesive	Grey Opaque Permanent	Grey Opaque Permanent	Grey Opaque Permanent	Grey Opaque Permanent	Grey Opaque Permanent	Grey Opaque Removable	Glass Clear Permanent	Glass Clear Permanent	Glass Clear Permanent
Adhesive Air-Egress Pattern	Random Polygon Air-Egress	Random Polygon Air-Egress	Random Polygon Air-Egress	B•free Air-Egress	Random Polygon Air-Egress	Random Polygon Air-Egress	Invisible B•free Air-Egress	Invisible B•free Air-Egress	Invisible B•free Air-Egress
Liner	98# Polycoated Kraft	98# Polycoated Kraft	98# Polycoated Kraft	98# Polycoated Kraft	98# Polycoated Kraft	98# Polycoated Kraft	80# Polycoated Kraft	80# Polycoated Kraft	80# Polycoated Kraft
Indoor Durability*	9 Years	7 Years	5 Years	4 Years	4 Years	4 Years	5 Years	5 Years	5 Years
Outdoor Durability*	9 Years	7 Years	5 Years	4 Years	4 Years	4 Years	5 Years	5 Years	5 Years
Minimum Application Temperature	+55°F	+50°F	+50°F	+50°F	+50°F	+50°F	+50°F	+50°F	+50°F
Service Temperature Range	-50°F to +225°F	-4°F to +160°F	-40°F to +180°F	-50°F to +158°F	-50°F to +1500°F	-40°F to +150°F	-40°F to +194°F	-40°F to +194°F	-40°F to +194°F
Width	54"	54"	54"	54"	54"	54"	54"	54"	54"
Ink Compatibility	Solvent, Eco-solvent, UV, Latex Ink Jet	Solvent, Eco-solvent, UV, Latex Ink Jet	Solvent, Eco-solvent, UV Ink Jet	Solvent, Eco-solvent, UV Ink Jet	Solvent, Eco-solvent, UV Ink Jet	Solvent, Eco-solvent, UV, Latex Ink Jet	Solvent, Eco-solvent, UV Ink Jet	Solvent, Eco-solvent, UV, Latex Ink Jet	Solvent, Eco-solvent, UV Ink Jet
Walls				Graphics	Graphics	Graphics			
Windows							Window Graphics, Light Boxes	Window Graphics, Light Boxes	Window Graphics, Light Boxes
Signage	Long-term Indoor & Outdoor Signs	Long-term Indoor & Outdoor Signs	Indoor & Outdoor Signs, Trade-shows, POP	Indoor & Outdoor Signs, Displays, Tradeshow, POP	Indoor & Outdoor Signs, Displays, Tradeshow, POP	Indoor & Outdoor Signs, Displays, Tradeshow, POP			
Vehicles	Full & Partial Wraps	Partial Wraps							
Recommended Laminate									
PERMACOLOR RAYzor	■	■	■						
PERMACOLOR Enhancers	■								
ColorGard® LUV			■	■	■	■			

* Unprinted media, vertical application. See the product's Performance Guide for application specific durability.

PERMACOLOR Overlaminates Media

Product Code	PERMACOLOR RAYZor	PERMACOLOR RAYZor	PERMACOLOR RAYZor	PERMACOLOR Enhancers	PERMACOLOR Enhancers	ColorGard® LUV
	LF3640	LF3640G	LF3630G	Brilliant Crystal	Silver Metallic	8000, 8200, 8300
Face	1.5 mil Cast Vinyl	1.5 mil Cast Vinyl	1.5 mil Cast Vinyl	2.5 mil Cast Vinyl	3.0 mil Cast Vinyl	3.2 mil
Finish	Optically Clear Gloss	Gloss	Matte	Gloss	Gloss	Gloss Matte Lustre
Color	Clear	Clear	Clear	Clear with flake	Clear with flake	Clear
Adhesive	Optically Clear Acrylic	Clear Acrylic	Clear Acrylic	Clear Acrylic	Clear Acrylic	Clear Acrylic
Liner	1.2 mil Polyester	50# Calendered Paper	50# Release Liner	78# White Kraft	78# White Kraft	50# Clay-coated Kraft
Indoor Durability*	5+ Years	5+ Years	5+ Years	5+ Years	5+ Years	5+ Years
Outdoor Durability*	5 Years	5 Years	5 Years	5 Years	5 Years	5 Years
Minimum Application Temperature	40°F	40°F	58°F	40°F	40°F	45°F
Service Temperature Range	-50°F to 225°F (-45°C to 107°C)	-50°F to 225°F (-45°C to 107°C)	-50°F to 225°F (-45°C to 107°C)	-50°F to 225°F (-45°C to 107°C)	-50°F to 225°F (-45°C to 107°C)	-40°F to 150°F (-40°C to 66°C)
Width	54"	30", 54", 60"	54", 60"	54", 60"	54"	38", 51", 54", 60"
Walls			Curved, Flat & Corrugated Surfaces			
Windows	Perforated Window Film					
Signage	Image Enhancement	Image Enhancement		General Signage	General Signage	Event Graphics, Murals & Exhibits, Retail Posters & Displays, Digital Images
Vehicles	Highly-conformable Vehicle, Fleet & Marine	Highly-conformable Vehicle, Fleet & Marine	Highly-conformable Vehicle, Fleet & Marine	Flat Surfaces - Vehicle, Fleet & Marine	Flat Surfaces - Vehicle, Fleet & Marine	
Recommended Media						
JT5529PRO	■	■	■			
GVC929BFD	■	■	■	■	■	
GV729BFD	■	■	■	■	■	
B•free Media						
GV529BFD						■
GV429R						■
MACmark® 6600				■	■	
MACmark 9800				■	■	

IMAGin® B•free® is:

B•free Gruv™ Cast — Your premium solution for full or partial vehicle, fleet or marine wraps (**GVC929BFD**)

- Repositionable permanent opaque acrylic adhesive that ultimately builds to a strong bond, yet remains removable
- Proprietary omni-directional air-egress invisible adhesive pattern
- Excellent color reproduction with a high gloss, ultra white facestock
- Superior printability with an 98# polycoated layflat liner
- Outdoor durability of nine years

B•free Gruv™ — Your high-performance cost-effective solutions for partial vehicle wraps, indoor and outdoor P.O.P. and signage displays – IMAGin B•free Gruv (**GV729BFD, GV529BFD, GV429R, GV429P and GV428P**).

- A wide variety of B•free products for a wide variety of applications including: indoor and outdoor signage, exhibits, point-of-purchase (P.O.P.) and retail displays, and moderately curved or riveted surfaces found in partial vehicle wraps
- Added imagery dimension with a bright, white facestock
- True color representation – no matter the color of the application surface – with an opaque adhesive
- Easy bubble-free installation with random polygon air-egress adhesive technology

B•free Window Films — Your indoor and outdoor solution for frosted, dusted and clear translucent window film applications.

Three different finishing options – *frosted, dusted and clear* – IMAGin B•free Window Films (**JT5796MBF, JT5798MBF, JT5999MBF**).

- Reverse printable, allows graphics to be applied indoors, but viewed outdoors, where outdoor signs are regulated or vandalism is a possibility
- Proprietary omni-directional air-egress adhesive system, for fast installation
- Eliminates messy wet application fluids
- Designed for window graphics, internally illuminated signs and light boxes

PERMACOLOR® revolutionizes your digital, photographic and lithographic images. With high-performance overlaminates, specialty overlaminates providing unique features and intermediate overlaminates designed for all your laminating needs .

Create an impact with your images using:

ColorGard® LUV – provides superior protection and color enhancement with fast, efficient results, quick wet-out and non-silvering properties. Available in gloss, matte and lustre.

PERMACOLOR Enhancers – add a sparkling finish to high-profile, wide-format and screen print graphic applications.

PERMACOLOR RAYZor™ – for applications requiring extreme conformability and clarity – including brick and textured walls, windows and floors for curved surfaces, signage and vehicle wraps.

Open-Image WarrantySM for Mactac® Media and Laminates:

You make the choice of printer and ink that are best for your business and Mactac will be the partner that stands behind you. Simply provide us with your system and if we have not already tested the combination, we'll run a comprehensive series of tests to insure the system works and then warrant your application. If we find the components are not compatible we'll let you know that, too, and make alternative recommendations. It's that simple!

We stand behind you. And, we work with the most popular printer and ink suppliers to ensure product compatibility and durability.

