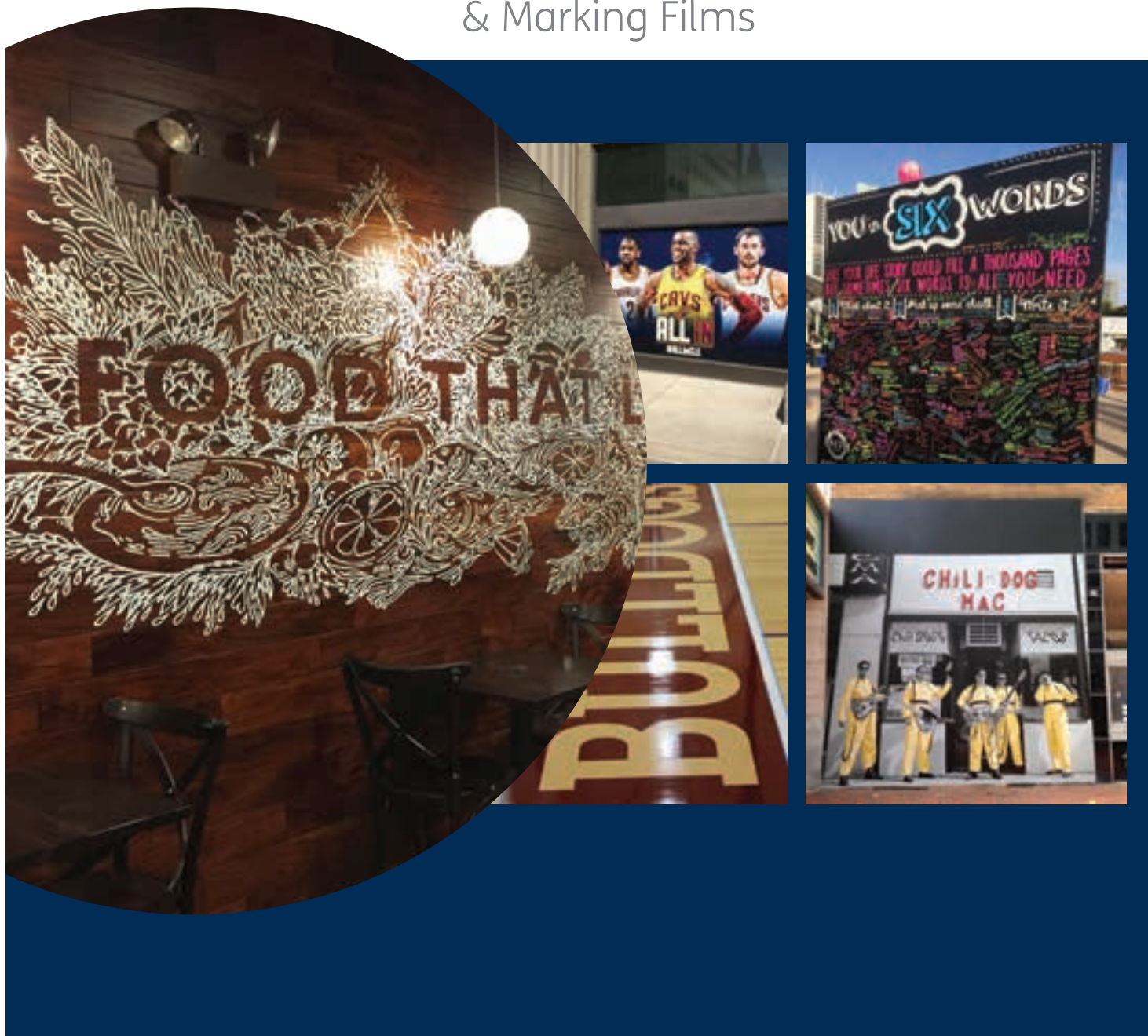


Graphic Idea Book | Digital Media, Multi-Print Media, Overlaminates, Mounting Films & Marking Films



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All of Mactac's products in one App.
Visit the App Store today to download.

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At Mactac, we view our brand through the eyes of our customers.

Mactac, means nothing without the creativity and drive you apply to turn Mactac into your finished product. Your graphics, and our brand live and breathe with every success you enjoy. We are proud to offer our innovation, created with your input and the broadest range of graphics media, laminates and mounting films available:



PERMACOLOR®

PermaGard®

The laminates that created an industry. High-performance, intermediate and economy choices including our revolutionary PERMACOLOR RAYZor™, PERMACOLOR Enhancers, PG7000 Series and innovative ColorGard® LUV 8000 for UV inks.

PermaFlex®

High-performance rigid overlaminates for all of your trade show needs - including Lustex, the original luster finish.

PermaPrint®

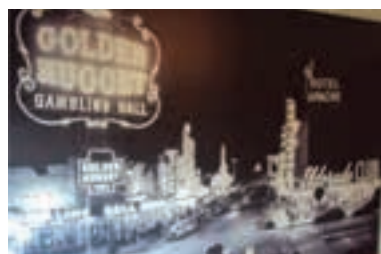
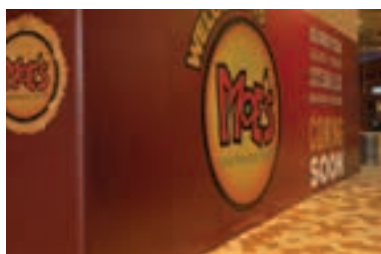
Intermediate adhesives for both face and back mounting. Same quality standards as the rest of our PERMACOLOR line and a great value.

PermaTrans®

The industry standard for optically clear mounting adhesives.

THERMACOLOR®

A full range of thermal protection films for image protection and encapsulation.



IMAGin®

The complete product family of digital media for graphics production, including Mactac's patented B•free® air-egress technology.

REBEL®

Multi-print and screen print media for economy, intermediate and high-performance applications.

MACmark®

11 Unique product lines ranging from economy to high-performance and specialty needs - over 250 color choices in high-performance intermediate, translucent, fluorescent, sparkle metallic, reflective, lustre and TuningFilms.

The **Idea Book** is a reference tool to guide users. The user is responsible for determining the product's suitability, including printability, adhesion and removal characteristics for the application. Please consult the Product Performance Guide at www.mactac.com for the latest, most up-to-date version. If there are any questions about applications and warranties, please contact your Mactac sales representative to discuss your requirements.





Open-Image Warranty is Mactac's way of keeping warranty matters simple. We understand you have many options available for making graphics for an ever-expanding variety of applications. When it comes to making graphics with Mactac's media, you are covered. You make the choice of printer, ink, and laminate or clear coat that are best for your business and Mactac® will be the partner who stands behind you. Yes, we are that confident in our products! Simply provide us with your choices and if we have already tested the combinations you have chosen, you're done. If not, give us a sample of your combination, we'll run a comprehensive series of tests to ensure the combination works and then warrant your application. If we find the combinations are not compatible we'll let you know that too and make alternate recommendations! It's that simple.

Mactac's Open-Image Warranty

You choose the system, we provide the peace of mind.

What makes our warranty unique?

The Open-Image Warranty ties all general Mactac warranties together in a single system to ensure our customers are backed by the most flexible graphics warranty in the industry!

Mactac standard media warranties:

- 1) **MACmark**® cut vinyl films
- 2) **IMAGin**® digital media
- 3) **PERMACOLOR**® mounting and laminating films
- 4) **REBEL**® multi-print media

Mactac application specific warranties:

- 1) Floor Graphics
- 2) Vehicle Wraps

In addition, Mactac partners with most major printer and ink manufacturers to ensure product compatibility. We run meticulous testing on various combinations in order to offer this guarantee of compatibility and durability.

How to Get Help with your Open-Image Warranty questions.

1. Your District Sales Manager
2. Customer Service at 800-321-8834
3. Inside Sales at 866-622-8223
4. www.Mactac.com for:
 - Product Performance Guides
 - Technical Assistance Bulletins
 - ICC Profiles
 - Sales Literature
 - Distributor Information
 - Press Releases
 - Partnerships and Warranties
 - What's New from Mactac

IMAGin® the possibilities.

IMAGin wide-format digital media offers material for all your application needs.

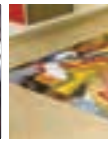
Available in widths from 30–64”, matte and gloss finishes and permanent or removable adhesive, you can only **IMAGin** what Mactac® has to offer you. Our state-of-the-art manufacturing technology allows us to offer you high-performance acrylic adhesives that perform like no other and our vinyls offer the best printing surface on the market. Our primary digital coating line is fully automated, so no human hand touches your **IMAGin** product until you open the box.



Features and Benefits:

- Full range of widths from 30–64”
- Digital films compatible with a wide range of popular OEM and after-market inks, including latex and UV
- OEM-tested and approved media including HP, VUTEK, Mimaki, Mutoh and many others.
- ICC profiles: More than 1,000 profiles available 24 hours a day, 7 days a week at mactac.com.
- High-gloss finish and bright white face for more vibrant images and less ink consumption.
- Ease of application and sure bond adhesive systems.
- Open-Image WarrantySM system
- A variety of adhesive choices
- Patented B•free[®] air-egress on select products
- State-of-the-art electronic inspection for inline manufacturing defect detection





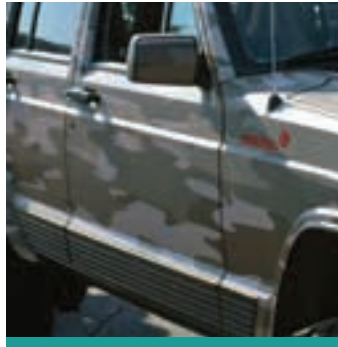
High-Performance Ink jet Media

Multi-Print Media

Intermediate Ink jet Media

Specialty Ink jet Media

Product Series	Description	Windows	Indoor Floors	Point-of-purchase/Indoor	Trade Show	Full & Partial Fleet Wraps	Full & Partial Vehicle Wraps
B-free [®] Gruv™ - GVC929BFD	2.0-mil gloss white highly conformable vinyl			■		■	■
B-free Gruv- GV729BFD	2.7-mil gloss white high-performance vinyl			■	■	Partial	Partial
JT5728P	3.1-mil translucent vinyl	■		■	■		
B-free JT5796MBF	3.1-mil frosted translucent vinyl	■		■	■		
B-free JT5798MBF	3.1-mil dusted translucent vinyl	■		■	■		
B-free JT5999MBF	3.1-mil gloss clear vinyl	■		■	■		
REBEL [®] X - RB528H	4.0-mil matte white vinyl			■	■		
REBEL - RB528P/529P*	4.0-mil matte/gloss white vinyl			■	■		
REBEL - RB528R/529R*	4.0-mil matte/gloss white vinyl		■	■	■		
REBEL - RB599R	4.0-mil gloss clear vinyl	■	■	■	■		
REBEL - RB599H	4.0-mil gloss clear vinyl			■	■		
REBEL - RB428P/429P*	4.0-mil matte/gloss white vinyl			■	■		
REBEL - RB228P/228R	3.4-mil matte white vinyl			■	■		
JT5829P/5828P	3.7-mil gloss/matte white intermediate vinyl			■	■		
JT5829R/5828R	3.7-mil gloss/matte white intermediate vinyl		■	■	■		
JT5828HTO	3.7-mil matte white intermediate vinyl		Carpet	■	■		
B-free Gruv - GVC529BFD	3.0-mil gloss white intermediate vinyl			■	■		
B-free Gruv - GV428BFD/429BFD	3.0-mil matte/gloss white intermediate vinyl			■	■		
B-free Gruv - GV429R	3.0-mil gloss white intermediate vinyl			■	■		
PVG828P/829P	3.9-mil matte/gloss white, calendared PVC film			■	■		
PVG828R/829R	3.9-mil matte/gloss white, calendared PVC film		■	■	■		
JT828P/829P/899R	3.1-mil matte/gloss white, 3.1-mil clear, calendared PVC film			■	■		
IMAGin Verde™ - VM3209R	2.0-mil gloss clear polyester	■		■	■		
StreetRap™ - STR328	3.2-mil matte white vinyl			■	■		
wallNOODLE [®] - WN628	6.0-mil matte white semi-rigid vinyl	■		■	■		
wallNOODLE Permanent	6.0-mil matte white semi-rigid vinyl			■	■		
IMAGin ROODLE™ - RO628	6.0-mil matte white semi-rigid vinyl	■		■	■		
IMAGin DecoFresco™	8.0-mil textured vinyl	■		■	■		
IMAGin DecoMural™	8.0-mil woven canvas textured vinyl	■		■	■		
RoughRAP [®] - RR100	2.1-mil gloss white highly conformable vinyl				■		
IMAGin DigiTrans™ - JDT429	4.0-mil gloss white transit vinyl			■		Partial Decals	Partial Decals
WindowView [®] - WV159	8.0-mil white perforated vinyl, 50 percent perforated	■					Window
WindowView - WV139	6.0-mil white perforated vinyl, 30 percent perforated	■					Window
WindowView - WV129	6.0-mil white perforated vinyl, 40 percent perforated	■					Window
WindowView Cling - WVC109/199	Opaque white/Clear Static Cling Vinyl	■					Window



walls

vehicles

Durability

9yr

Finish

GLOSS finish

Adhesive

opaque Permanent air egress

Special Features

CURVED surface

GVC929BFD Gloss White Full Wrap Media

Media: 2.0-mil Gloss White, Soft Cast PVC Film

Adhesive: Air-egress, Quick-building, Permanent, Opaque, Acrylic Pressure-sensitive

Liner: 98# Polycoated Liner

Features and Benefits:

- Nine year outdoor durability
- Air-egress allows for bubble-free applications
- Repositionable permanent, opaque, solvent-based acrylic adhesive
- Superior print quality for vibrant images
- Screen printable with lay-flat liner

Typical Uses:

- Vehicle wraps
- Long-term indoor and outdoor signage
- Vehicle wraps

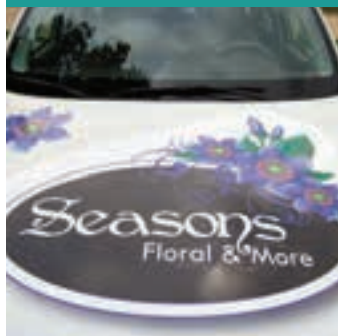
Use with:

- PERMACOLOR[®] RAYZor[™] - pg 32
- PERMACOLOR Enhancers - pg 33



Physical Properties	Typical Values
Peel Adhesion , lb./in. 180° on Glass	- 15 min - 24 hr 1.8 2.3
Quick Tack on Glass , lb./in2	2.0
Dimensional Stability (shrinkage) , % 48 hours @ 158°F (70°C)	max 0.1
Temperature Ranges Minimum Application: End Use:	55°F (+12°C) -50° to 225°F (-48° to 107°C)
Shelf Life:	Two years from D.O.M when stored at 60/77°F (15-25°C) and 50% relative humidity in the original packaging.

Stock No.	Roll Width x Length	Weight: Pounds
GVC929BFDW54	54" x 150'	40



walls

vehicles

Durability

7yr

Finish

GLOSS finish

Adhesive

opaque Permanent air egress

Special Features

CURVED surface

GV729BFD Gloss White Partial Wrap Media

Media: 2.8-mil Gloss White, Soft Calendered PVC Film

Adhesive: Air-egress Quick-building, Permanent, Opaque, Acrylic Pressure-sensitive

Liner: 98# Polycoated Liner

Features and Benefits:

- Seven year outdoor durability
- Air-egress adhesive for fast bubble-free application

Typical Uses:

- Advertising & promotional application
- Long-term indoor & outdoor signage
- Partial vehicle wraps

Use with:

- PERMACOLOR RAYZor - pg 32



Physical Properties	Typical Values
Peel Adhesion , lb./in. 180° on Glass	- 15 min - 30 min - 24 hr 2.9 2.9 4.7
Quick Tack on Glass , lb./in2	4.6
Dimensional Stability (shrinkage) , % 48 hours @ 158°F (70°C)	max 0.4
Temperature Ranges Minimum Application: End Use:	50°F (+10°C) -4° to 160°F (-20° to 70°C)
Shelf Life:	Two years from D.O.M when stored at 60/77°F (15-25°C) and 50% relative humidity in the original packaging.

Stock No.	Roll Width x Length	Weight: Pounds
GV729BFDW54	54" x 150'	40

JT5728P Matte White Backlit Media

Media: 3.1-mil Translucent, Matte White Vinyl

Adhesive: Permanent, Clear, Acrylic Pressure-sensitive

Liner: 86# Kraft Liner

Features and Benefits:

- Seven year outdoor durability
- Permanent, solvent-based acrylic adhesive
- Matte white finish provides excellent ink anchorage.

Typical Uses:

- Illuminated signs
- Light boxes

Physical Properties	Typical Values
Peel Adhesion , lb./in. 180° on Glass - 24 hr	4.1-5.9
Quick Tack on Glass , lb./in2	4.3-6.2
Dimensional Stability (shrinkage) , % 48 hours @ 158°F (70°C)	max 0.2
Temperature Ranges Minimum Application: End Use:	50°F (+10°C) -40° to 194°F (-40° to 90°C)
Shelf Life: Two years from D.O.M when stored at 60/77°F (15-25°C) and 50% relative humidity in the original packaging.	

Stock No.	Roll Width x Length	Weight: Pounds
JX5728P	54" x 164'	47



Durability



Finish



Adhesive



Special Features



JT5796MBF Frosted

Media: 3.1-mil Translucent, Matte Frosted Polymeric PVC Film

Adhesive: Air-egress, Micro-structured, Repositionable Permanent, Clear Acrylic

Liner: 80# Polycoated, Layflat Liner

Features and Benefits:

- Frosted translucent facstock for etched glass look
- Micro-structured adhesive for dry applications on windows eliminates the messy clean up of wet-application fluids.
- Reverse printable to be read through glass

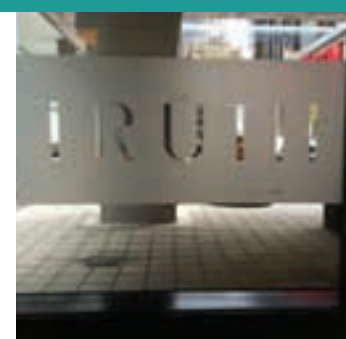
Typical Uses:

- Window graphics
- Light boxes
- Use MACmark® 700 Series if application is for unprinted décor graphics



Physical Properties	Typical Values
Peel Adhesion , lb./in. 180° on Glass - 24 hours	3.1-3.7
Quick Tack on Glass , lb./in2	4.4-5.6
Dimensional Stability (shrinkage) , % 48 hours @ 158°F (70°C)	max 0.2
Temperature Ranges Minimum Application: End Use:	50°F (+10°C) -40° to 194°F (-40° to 90°C)
Shelf Life: Two years from D.O.M when stored at 60/77°F (15-25°C) and 50% relative humidity in the original packaging.	

Stock No.	Roll Width x Length	Weight: Pounds
JJ5796MBF	54" x 82'	24
JX5796MBF	54" x 164'	47



Durability



Finish



Adhesive



Special Features





Durability

Finish

Adhesive

Special Features

JT5798MBF Dusted

Media: 3.1-mil Translucent, Matte, Dusted Polymeric PVC Film

Adhesive: Air-egress, Micro-structured, Repositionable, Permanent, Clear Acrylic

Liner: 80# Polycoated, Layflat Liner

Features and Benefits:

- Dusted translucent facestock for etched glass look
- Micro-structured adhesive for dry applications on windows eliminates the messy clean up of wet-application fluids
- Reverse printable to be read through glass

Typical Uses:

- Window graphics
- Light boxes
- Use MACmark® 700 Series if application is for unprinted décor graphics



Physical Properties	Typical Values
Peel Adhesion , lb./in. 180° on Glass - 24 hr	3.1-3.7
Quick Tack on Glass , lb./in2	4.4-5.6
Dimensional Stability (shrinkage) , % 48 hours @ 158°F (70°C)	max 0.2
Temperature Ranges Minimum Application: End Use:	50°F (+10°C) -40° to 194°F (-40° to 90°C)
Shelf Life: Two years from D.O.M when stored at 60/77°F (15-25°C) and 50% relative humidity in the original packaging.	

Stock No.	Roll Width x Length	Weight: Pounds
JJ5798MBF	54" x 82'	24
JX5798MBF	54" x 164'	47



Durability

Finish

Adhesive

Special Features

JT5999MBF Clear

Media: 3.1-mil Gloss, Clear Polymeric PVC Film

Adhesive: Air-egress, Micro-structured, Repositionable, Permanent, Clear Acrylic

Liner: 80# Polycoated, Layflat liner

Features and Benefits:

- Gloss clear facestock
- Micro-structured adhesive for dry applications on windows eliminates the messy clean up of wet-application fluids
- Reverse printable to be read through glass

Typical Uses:

- Window Graphics

Tip:

- Not recommended for signs which will be handled extensively. Use IMAGin® Verde™ VM3209R, IMAGin JT5999R or REBEL® RB599R for best results



Physical Properties	Typical Values
Peel Adhesion , lb./in. 180° on Glass - 24 hr	3.1-3.7
Quick Tack on Glass , lb./in2	4.4-5.6
Dimensional Stability (shrinkage) , % 48 hours @ 158°F (70°C)	max 0.2
Temperature Ranges Minimum Application: End Use:	50°F (+10°C) -40° to 194°F (-40° to 90°C)
Shelf Life: Two years from D.O.M when stored at 60/77°F (15-25°C) and 50% relative humidity in the original packaging.	

Stock No.	Roll Width x Length	Weight: Pounds
JJ5999MBF	54" x 82'	24
JX5999MBF	54" x 164'	47

JT5829P Gloss White | JT5828P Matte White

Media: 3.7-mil Soft Calendered PVC Films

Adhesive: Permanent, Clear, Acrylic Pressure-sensitive

Liner: 86# Kraft Liner

Features and Benefits:

- 3.7-mil matte/gloss white vinyl
- Four year outdoor durability
- Permanent, opaque, solvent-based acrylic adhesive
- Bright white face offers truer vibrant colors

Typical Uses:

- Medium-term indoor/outdoor advertising & promotions
- Arena graphics & transit applications

Use with:

- PERMACOLOR® Enhancers - pg 33
- ColorGard® LUV Series - pg 34

Physical Properties		JT5828P Typical Values	JT5829P Typical Values
Peel Adhesion , lb./in. 180° on Glass	- 24 hr	3.4-5.7	3.7-6.0
Quick Tack on Glass , lb./in2		2.5-3.9	2.8-3.9
Dimensional Stability (shrinkage) , % 48 hours @ 158°F (70°C)		max 1.0	
Temperature Ranges Minimum Application: End Use:		50°F (+10°C) -5° to 158°F (-20° to 70°C)	
Shelf Life: Two years from D.O.M when stored at 60/77°F (15-25°C) and 50% relative humidity in the original packaging.			

Stock No.	Roll Width x Length	Weight: Pounds
JX5828P	54" x 164'	47
JX5829P	54" x 164'	47



Durability



Finish



Adhesive



Special Features



JT5829R Gloss White | JT5828R Matte White

Media: 3.7-mil Soft Calendered PVC Films

Adhesive: Removable, Clear, Acrylic Pressure-sensitive

Liner: 86# Kraft Liner

Features and Benefits:

- Four year outdoor durability
- Removable, opaque, solvent-based acrylic adhesive for ease of application
- Bright white face offers truer vibrant colors

Typical Uses:

- Billboards & Decals
- Medium-term outdoor signage advertising & promotions
- Floor graphics
- Transit graphics

Use with:

- PERMACOLOR Enhancers - pg 33
- ColorGard LUV Series - pg 34
- PermaFlex® IP6200 & PF6300^ - pgs 37-38

Physical Properties		Typical Values
Peel Adhesion , lb./in. 180° on Stainless Steel	- 24 hr	0.6-1.6
Quick Tack on SS , lb./in2		0.5-1.3
Dimensional Stability (shrinkage) , % 48 hours @ 158°F (70°C)		max 0.5
Temperature Ranges Minimum Application: End Use:		50°F (+10°C) -40° to 158°F (-40° to 70°C)
Shelf Life: Two years from D.O.M when stored at 60/77°F (15-25°C) and 50% relative humidity in the original packaging.		

Stock No.	Roll Width x Length	Weight: Pounds
JX5828R	54" x 164'	47
JX5829R	54" x 164'	47



Durability



Finish



Adhesive

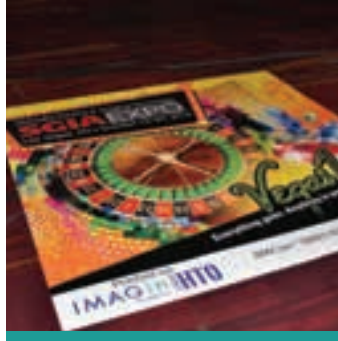


Special Features



^ Meets OSHA Standards for slip resistance, recommended for dry floors, wet surfaces & handicap accessible routes. See Performance Guides for more information.

Intermediate Solvent-Based, UV Cured Ink jet Media



Durability

4
yr

Finish

MATTE
finish

Adhesive

ULTRA
Permanent

Special Features



JT5828HTO Matte White

Media: 3.7-mil Soft Calendered PVC Film

Adhesive: High-tack, Permanent, Opaque, Solvent-based
Acrylic Pressure-sensitive

Liner: 86# Kraft Liner

Features and Benefits:

- 3.7-mil matte white vinyl
- Four year outdoor durability
- Special high-tack, opaque, solvent-based adhesive for difficult applications
- Brilliant white face for truer, brighter colors

Typical Uses:

- Carpet graphics
- Tri-vision billboards
- Medium-term outdoor advertising
- Low surface energy substrates

Use with:

- ColorGard[®] LUV Series - pg 34
- PermaFlex[®] IP6200 & PF6300[^] - pgs 37-38

IMAGin[®] **JT5828HTO**
by MACtac[®]

Physical Properties		Typical Values
Peel Adhesion , lb./in. 180° on Glass	- 30 min.	5.5-7.0
	- 24 hr	6.5-7.5
Quick Tack on Glass , lb./in2		4.0-5.7
Dimensional Stability (shrinkage) , % 48 hours @ 158°F (70°C)		max 1.5
Temperature Ranges Minimum Application:		50°F (+10°C)
End Use:		-5° to 158°F (-20° to 70°C)
Shelf Life: Two years from D.O.M when stored at 60/77°F (15-25°C) and 50% relative humidity in the original packaging.		
Stock No.	Roll Width x Length	Weight: Pounds
JX5828HTO	54" x 164'	47



Durability

5
yr

Finish

GLOSS
finish

Adhesive



Special Features

FLAT
surface

GV529BFD Gloss White

Media: 3.0-mil Soft calendered PVC film

Adhesive: Air-egress, Quick-building, Permanent,
Opaque, Acrylic Pressure-sensitive

Liner: 98# Polycoated liner

Features and Benefits:

- 3.0-mil gloss white PVC
- Eco-solvent, solvent and UV-cured ink jet printing
- Air-egress adhesive for faster application times
- Five year outdoor durability

Typical Uses:

- Flat or simple curved surfaces
- Indoor and outdoor signage
- Displays, tradeshow and point-of-purchase.

Use with:

- PERMACOLOR[®] RAYZor[™] - pg 32
- ColorGard LUV Series - pg 34

B-free
Gruv[™]

Physical Properties		Typical Values
Peel Adhesion , lb./in. 180° on Stainless Steel	- 30 min.	2.9
	- 24 hr	4.0
Quick Tack on SS , lb./in2		4.6
Dimensional Stability (shrinkage) , % 48 hours @ 158°F (70°C)		max 0.8
Temperature Ranges Minimum Application:		50°F (+10°C)
End Use:		-40° to 180°F (-40° to 82°C)
Shelf Life: Two years from D.O.M when stored at 60/77°F (15-25°C) and 50% relative humidity in the original packaging.		
Stock No.	Roll Width x Length	Weight: Pounds
GV529BFDW54	54" x 150'	40

GV429R Gloss White

Media: 3.0-mil Vinyl

Adhesive: Air-egress, Removable Opaque, Pressure-sensitive

Liner: 98# Moisture-stable Polycoated Paper Liner



Features and Benefits:

- 3.0-mil gloss white PVC
- B-free® air-egress for easy installation
- Bright white face for excellent color fidelity
- Up to one year removability and four year unprinted outdoor life

Typical Uses:

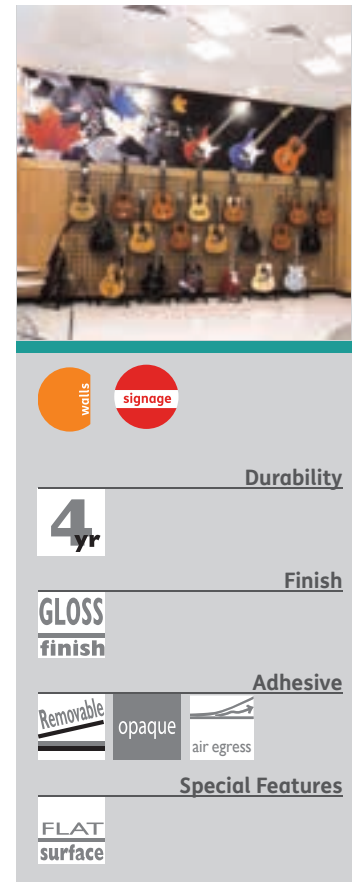
- Wall graphics
- Indoor and outdoor signage
- Displays, tradeshow, point-of-purchase

Use with:

- PERMACOLOR® RAYZor™ - pg 32
- ColorGard® LUV Series - pg 34

Physical Properties	Typical Values
Peel Adhesion , lb./in. 180° on Glass - 24 hr 180° on Stainless Steel - 24 hr	1.6 1.2
Quick Tack on Glass, lb./in2 on Stainless Steel, lb./in2	1.0 0.9
Dimensional Stability (shrinkage) , % 48 hours @ 158°F (70°C)	max 0.5
Temperature Ranges Minimum Application: End Use:	50°F (+10°C) -40° to 158°F (-40° to 70°C)
Shelf Life: Two years from D.O.M when stored at 60/77°F (15-25°C) and 50% relative humidity in the original packaging.	

Stock No.	Roll Width x Length	Weight: Pounds
GV429RW54L150	54" x 150'	40



GV429P Gloss White | GV428P Matte White

Media: 3.2-mil Soft Calendered PVC Film

Adhesive: Air-egress, Permanent, Opaque, Acrylic Pressure-sensitive

Liner: 98# Polycoated Liner



Features and Benefits:

- 4.0-mil gloss white PVC
- B-free® air-egress for easy installation
- Bright white face for excellent color fidelity
- Solvent and UV printable
- Up to one year removability and four year unprinted outdoor life

Typical Uses:

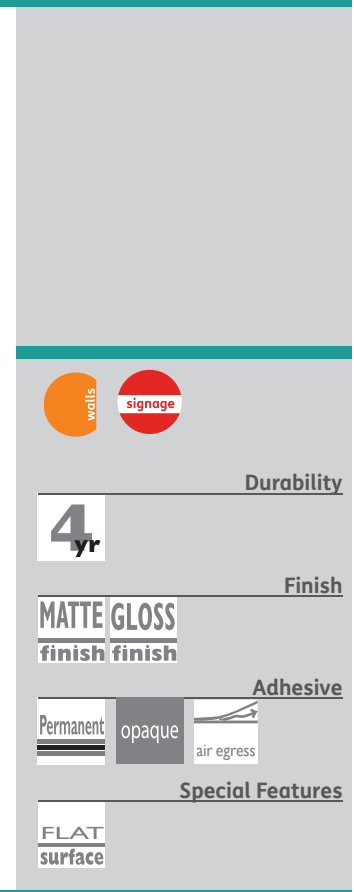
- Wall Graphics
- Indoor and outdoor signage
- Displays, tradeshow, point-of-purchase

Use with:

- PERMACOLOR RAYZor - pg 32
- ColorGard LUV Series - pg 34
- PERMACOLOR PromoGard™ - pgs 35

Physical Properties	Typical Values
Peel Adhesion , lb./in. 180° on Stainless Steel - 30 min. - 24 hr	4.6 5.0
Quick Tack on Stainless Steel, lb./in2	3.5
Dimensional Stability (shrinkage) , % 48 hours @ 158°F (70°C)	max 1.0
Temperature Ranges Minimum Application: End Use:	50°F (+10°C) -40° to 158°F (-40° to 70°C)
Shelf Life: Two years from D.O.M when stored at 60/77°F (15-25°C) and 50% relative humidity in the original packaging.	

Stock No.	Roll Width x Length	Weight: Pounds
GV428PW54L150 - matte	54" x 150'	40
GV429PW54L150 - gloss	54" x 150'	40



Intermediate Solvent-Based, UV Cured Ink jet Media

PVG828P Matte White PVG829P Gloss White

Media: 3.9-mil Soft Calendared PVC Film

Adhesive: Gray, Opaque Permanent, Acrylic

Liner: 74# Kraft Liner

Features and Benefits:

- Up to four year outdoor durability with or without laminate
- Solvent, Eco-solvent, Latex and UV printable
- Backed by Mactac's trusted Open Image Warranty™

Typical Uses:

- Promotional signage
- General purpose

Use with:

- PERMACOLOR[®] PromoGard™ - pg 35

IMAGin[®]
by MACtac[®]
PrintVinyl Gray

Physical Properties	Typical Values
Peel Adhesion , lb./in. 180° on Glass	- 24 hr. 3.0
Quick Tack on Glass , lb./in ²	2.0
Dimensional Stability (shrinkage) , % 48 hours @ 158°F (70°C)	max 1.0
Temperature Ranges Minimum Application: End Use:	50°F (+10°C) -5° to 158°F (-20° to 70°C)
Shelf Life:	Two years from D.O.M when stored at 60/77°F (15-25°C) and 50% relative humidity in the original packaging.

Stock No. PVG828P	Stock No. PVG829P	Roll Width x Length	Weight: Pounds
PVG828PW54L150	PVG829PW54L150	54" x 150'	43
PVG828PW64L150	PVG829PW64L150	64" x 150'	46



Durability	4yr
Finish	GLOSS finish MATTE finish
Adhesive	opaque Gray Adhesive Permanent
Special Features	FLAT surface



Durability	4yr
Finish	GLOSS finish MATTE finish
Adhesive	opaque Gray Adhesive Removable
Special Features	FLAT surface

PVG828R Matte White PVG829R Gloss White

Media: 3.9-mil Soft Calendared PVC Film

Adhesive: Gray, Opaque Removable, Acrylic

Liner: 74# Kraft Liner

Features and Benefits:

- Up to four year outdoor durability with or without laminate
- Solvent, eco-solvent, latex and UV printable
- Backed by Mactac's trusted Open-Image WarrantySM

Typical Uses:

- Promotional signage
- General purpose

Use with:

- PERMACOLOR PromoGard - pg 35

IMAGin[®]
by MACtac[®]
PrintVinyl Gray

Physical Properties	Typical Values
Peel Adhesion , lb./in. 180° on Glass	- 24 hr 0.8
Quick Tack on SS , lb./in ²	0.9
Dimensional Stability (shrinkage) , % 48 hours @ 158°F (70°C)	max 1.0
Temperature Ranges Minimum Application: End Use:	50°F (+10°C) -5° to 158°F (-20° to 70°C)
Shelf Life:	Two years from D.O.M when stored at 60/77°F (15-25°C) and 50% relative humidity in the original packaging.

Stock No. PVG828R	Stock No. PVG829R	Roll Width x Length	Weight: Pounds
PVG828RW54L150	PVG829RW54L150	54" x 150'	43
PVG828RW64L150	PVG829RW64L150	64" x 150'	46

JT828P Matte White JT829P Gloss White JT899R Clear

Media: 3.1-mil Soft Calendered PVC Films

Adhesive: Clear Permanent Acrylic or Clear Removable Acrylic

Liner: 74# Kraft Liner

Features and Benefits:

- Up to four year outdoor durability
- Permanent/Removable, clear, acrylic adhesive

Typical Uses:

- General purpose indoor signage
- Outdoor advertising and promotion on flat or slightly curved surfaces

Use with:

- ColorGard[®] LUV Series - pg 34
- PERMACOLOR[®] PromoGard[™] - pg 35

Physical Properties		Typical Values 828P/829P 899R	
Peel Adhesion , lb./in. 180° on Glass	- 24 hr	3.4-5.2	0.5 - 1.6
Quick Tack on SS , lb./in ²		2.5-3.9	0.7 - 0.8
Dimensional Stability (shrinkage) , % 48 hours @ 158°F (70°C)		max 1.0	max 1.0
Temperature Ranges Minimum Application: End Use:		50°F (+10°C) -5° to 158°F (-20° to 70°C)	
Shelf Life: Two years from D.O.M when stored at 60/77°F (15-25°C) and 50% relative humidity in the original packaging.			

Stock No. JT828P - permanent	Stock No. JT829P - permanent	Stock No. JT899R - removable	Roll Width x Length	Weight: Pounds
JT828PW30L150*	JT829PW30L150*	JT899RW30L150*	30" x 150'	26
JT828PW54L150	JT829PW54L150	JT899RW54L150	54" x 150'	43
JT828PW64L150	JT829PW64L150	JT829RW64L150	64" x 150'	46

* 2 Roll Minimum



walls

signage

Durability

4yr

Finish

GLOSS finish MATTE finish CLEAR finish

Adhesive

CLEAR Permanent

Special Features

FLAT surface

VM3209R Gloss Clear

Media: 2.0-mil Scratch-Resistant Polyester

Adhesive: Optically Clear Removable

Liner: Glass-smooth Polyester Release Liner

Features and Benefits:

- 100% chlorine, phthalate and vinyl-free
- Topcoated especially for wide-format UV
- **UV Printable only**
- Scratch resistant
- Optically clear
- REACH compliant

Typical Uses:

- Indoor and outdoor window signage
- Point of purchase displays
- Flat and slightly curved surfaces

Physical Properties		Typical Values	
Thickness , inches (µm) Film		2.0-mils	
Peel Adhesion , lb./in. 180° on Glass	- 24 hr	≤0.7	
Temperature Ranges Minimum Application: End Use:		40°F (+5°C) -40° to 212°F (-40° to 100°C)	
Shelf Life: Two years from D.O.M when stored at 60/77°F (15-25°C) and 50% relative humidity in the original packaging.			

Stock No.	Roll Width x Length	Weight: Pounds
VM3209RW60L164	60" x 164'	52



windows

signage

Durability

2yr

Finish

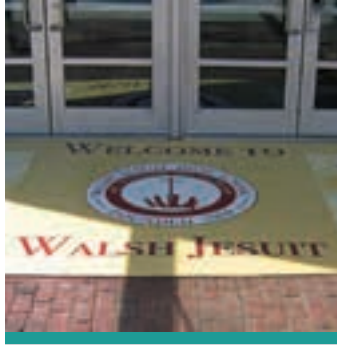
GLOSS finish

Adhesive

optically CLEAR Removable

Special Features

Vinyl Free



Durability

3 month

Finish

MATTE
finish

Adhesive

opaque Permanent

Special Features



Durability

1 yr

Finish

MATTE
finish

Adhesive

Removable

Special Features



STR328 Matte White

Media: 3.4-mil Vinyl

Adhesive: Aggressive High-tack

Liner: 90# SuperFlat™ Liner

Features and Benefits:

- Great adhesion to unsealed concrete or asphalt surfaces
- Eco-solvent, solvent, UV ink jet, latex and screen printable
- Matte facestock provides superior printability

Typical Uses:

- Retail outlets
- Trade shows
- Sports venues
- Convention Centers

Use with:

- PERMACOLOR FloorGRIP™ PF6600 only pg. 38

^A Meets NFSI/ANSI Standards for slip resistance, recommended for outdoor, dry floors, wet surfaces & handicap accessible routes. See Performance Guides for more information.



WN628 Matte White

Media: 6.0-mil Semi-rigid Calendered PVC Film

Adhesive: Ultra Removable and Repositionable, Microsphere Acrylic

Liner: 90# SuperFlat™ Liner

Features and Benefits:

- Easily applied and removed from most interior wall surfaces
- Reusable
- Matte facestock provides superior printability
- Available on 6" cores
- Meets the flame spread and smoke density specifications for ASTM E84, ANSI/NFPA/IFC - Class A

Typical Uses:

- Short-term (six months to one year) indoor wall graphics
- Designed for smooth, flat surfaces

Tip:

- Lamination is NOT recommended.
- Print to edge only with latex and offset inks.

Physical Properties	Typical Values
Peel Adhesion , lb./in. 180° on Stainless Steel	- 30 min - 24 hr 7.0 8.0
Quick Tack on SS , lb./in2	7.5
Dimensional Stability (shrinkage) , % 48 hours @ 158°F (70°C)	max 0.05
Temperature Ranges Minimum Application: End Use:	50°F (+10°C) -50° to 225°F (-45° to 107°C)
Shelf Life: Two years from D.O.M when stored at 60/77°F (15-25°C) and 50% relative humidity in the original packaging.	

Stock No.	Roll Width x Length	Weight: Pounds
STR328W54	54" x 150'	45
STR328L100	54" x 100'	40

Physical Properties	Typical Values
Peel Adhesion , lb./in. 180° on Stainless Steel	- 24 hr 0.85
Quick Tack on SS , lb./in2	0.80
Dimensional Stability (shrinkage) , % 48 hours @ 158°F (70°C)	MD 0.40 CD 0.20
Temperature Ranges Minimum Application: End Use:	50°F (+10°C) -20° to 158°F (-6° to 70°C)
Shelf Life: Two years from D.O.M when stored at 60/77°F (15-25°C) and 50% relative humidity in the original packaging.	

Stock No.	Roll Width x Length	Weight: Pounds
WN628W54	54" x 100'	44
WN628W60	60" x 100'	50
Custom Sizes		
WN628W546SL	54" x up to 750'	na
WN62738	27" x 38" Sheets	40

PN628 Matte White

Media: 6.0-mil Vinyl

Adhesive: Clear, Permanent Acrylic

Liner: 90# Polycoated



Features and Benefits:

- 6.0-mil matte white semi-rigid facestock
- Thick face is easy to install, even without a laminate
- Designed for smooth, flat surfaces
- Meets the flame spread and smoke density specifications for ASTM E84, ANSI/NFPA/IFC - Class A

Typical Uses:

- Wall graphics
- Signage
- Decals
- Barrier graphics

Use with:

- ColorGard[®] LUV Series - pg 34
- PERMACOLOR[®] PromoGard[™] PG7000 - pg 35, if desired.

Physical Properties		Typical Values
Peel Adhesion , lb./in. 180° on Stainless Steel	- 24 hr	5.3
Quick Tack on SS , lb./in2		2.3
Dimensional Stability (shrinkage) , % 48 hours @ 158°F (70°C)		MD 0.20 CD 0.10
Temperature Ranges Minimum Application: End Use:		-40°F (-40°C) -40° to 180°F (-40° to 82°C)
Shelf Life: Two years from D.O.M when stored at 60/77°F (15-25°C) and 50% relative humidity in the original packaging.		

Stock No.	Roll Width x Length	Weight: Pounds
PN628W54L100	54" x 100'	45



Durability

3
yr

Finish

MATTE
finish

Adhesive

Permanent

Special Features



RO628 Matte White

Media: 6.0-mil Vinyl

Adhesive: Robust, Clear Removable

Liner: 90# SuperFlat[™] Polycoated Release Liner



Features and Benefits:

- ROODLE meets the flame spread and smoke density specifications for ANSI/NFPA - Class A and IBC - Class A
- Thick face makes ROODLE easy to install, even without a laminate
- Removable for up to two years from most well maintained substrates
- Solvent, eco-solvent, latex, and UV wide-format, as well as for screen printing

Typical Uses:

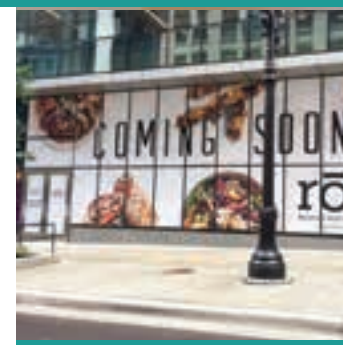
- Wall murals
- Decals
- Point-of-purchase displays

Use with:

- PERMACOLOR LUV Series - pg 34
- PERMACOLOR PromoGard PG7000 Series - pg 35

Physical Properties		Typical Values
Peel Adhesion , lb./in. 180° on Stainless Steel	- 24 hr	2.1
Quick Tack on SS , lb./in2		2.1
Dimensional Stability (shrinkage) , % 48 hours @ 158°F (70°C)		MD 0.40 CD 0.20
Temperature Ranges Minimum Application: End Use:		50°F (+10°C) -40° to 180°F (-40° to 82°C)
Shelf Life: Two years from D.O.M when stored at 60/77°F (15-25°C) and 50% relative humidity in the original packaging.		

Stock No.	Roll Width x Length	Weight: Pounds
RO628W54L100	54" x 100'	44
RO628W60L100	60" x 100'	49



Durability

3
yr

Finish

MATTE
finish

Adhesive

Removable

Special Features





NEW!

walls signage

Durability

3yr

Finish

TEXTURED finish

Adhesive

Removable

Special Features

FLAT surface

DF052 Textured White

Media: 8.0-mil Vinyl

Adhesive: Clear, Removable Acrylic

Liner: 90# Polycoated Release Liner

Features and Benefits:

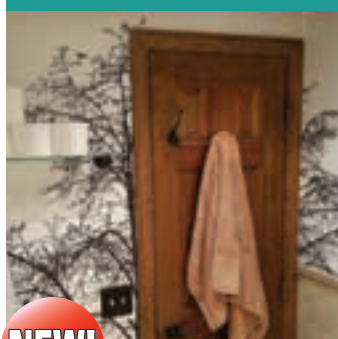
- UV Ink jet, latex and solvent printable
- 2-3 Year indoor durability
- Meets the flame spread and smoke density specifications for ASTM E84, ANSI/NFPA/IFC - Class A

Typical Uses:

- Hospitality décor
- High-end retail
- Home décor
- General uplifting
- Museum exhibits
- Trade shows

Physical Properties	Typical Values
Peel Adhesion , lb./in. 180° on Stainless Steel - 24 hr	2.1
Quick Tack on SS , lb./in ²	2.1
Dimensional Stability (shrinkage) , % 48 hours @ 158°F (70°C)	max 0.5
Temperature Ranges Minimum Application: End Use:	50°F (+10°C) -4° to 160°F (-20° to 70°C)
Shelf Life: Two years from D.O.M when stored at 60/77°F (15-25°C) and 50% relative humidity in the original packaging.	

Stock No.	Roll Width x Length	Weight: Pounds
DF052W54L100	54" x 100'	48



NEW!

walls signage

Durability

3yr

Finish

TEXTURED finish

Adhesive

Removable

Special Features

FLAT surface

DM032 Woven Canvas Textured White

Media: 8.0-mil Woven Textured Vinyl

Adhesive: Clear Removable Acrylic

Liner: 90# Polycoated Release Liner

Features and Benefits:

- UV Ink jet, latex and solvent printable
- 2-3 Year Indoor durability
- Meets the flame spread and smoke density specifications for ASTM E84, ANSI/NFPA/IFC - Class A

Typical Uses:

- Hospitality décor
- High-end retail
- Home décor
- General uplifting
- Museum exhibits
- Trade shows

Physical Properties	Typical Values
Peel Adhesion , lb./in. 180° on Stainless Steel - 24 hr	2.1
Quick Tack on SS , lb./in ²	2.1
Dimensional Stability (shrinkage) , % 48 hours @ 158°F (70°C)	max 0.5
Temperature Ranges Minimum Application: End Use:	50°F (+10°C) -4° to 160°F (-20° to 70°C)
Shelf Life: Two years from D.O.M when stored at 60/77°F (15-25°C) and 50% relative humidity in the original packaging.	

Stock No.	Roll Width x Length	Weight: Pounds
DM032W54L100	54" x 100'	48

RR100 White Gloss

Media: 2.0-mil Soft, Highly Conformable Cast PVC Film

Adhesive: High-tack, Permanent, Opaque Acrylic

Liner: 80# Polycoated Liner

Features and Benefits:

- 80# Polycoated liner for excellent printability and layflat
- Superior print quality for vibrant images

Typical Uses:

- Exterior and interior brick and block walls, and rough surfaces

Use with:

- PERMACOLOR® RAYZor™ - pg 32



Physical Properties		Typical Values
Peel Adhesion , lb./in.	180° on Stainless Steel - 24 hr	3.2-4.2
Quick Tack on SS , lb./in ²		1.5-2.0
Dimensional Stability (shrinkage) , %	48 hours @ 158°F (70°C)	max 0.5
Temperature Ranges		
Minimum Application:		50°F (+10°C)
End Use:		-4° to 160°F (-20° to 70°C)
Shelf Life: Two years from D.O.M when stored at 60/77°F (15-25°C) and 50% relative humidity in the original packaging.		
Stock No.	Roll Width x Length	Weight: Pounds
RR100W54L75	54" x 75'	24
RR100W54L150	54" x 150'	40



Durability

18
month

Finish

HIGH
GLOSS
finish

Adhesive

Permanent

Special Features

JDT429 Soft White

Media: 4.0-mil Soft White Gloss, Calendered PVC Film

Adhesive: Semi-permanent, Black Opaque, Acrylic Pressure-sensitive

Liner: 74# Kraft Liner

Features and Benefits:

- Three year durability
- Available on 6" core
- CBS approved

Typical Uses:

- Bus, taxi and subway train applications
- Station domination programs
- Applications needing a true block-out adhesive

Use with:

- ColorGard® LUV Series - pg 34



Physical Properties		Typical Values
Peel Adhesion , lb./in.	180° on Glass -24 hr	0.57
Quick Tack on SS , lb./in ²		0.68-1.3
Dimensional Stability (shrinkage) , %	48 hours @ 158°F (70°C)	max 0.2
Temperature Ranges		
Minimum Application:		46°F (8°C)
End Use:		-4° to 158°F (-20° to 70°C)
Shelf Life: Two years from D.O.M when stored at 60/77°F (15-25°C) and 50% relative humidity in the original packaging.		
Stock No.	Roll Width x Length	Weight: Pounds
JDT429W64	64" x 164'	50
JDT429W54	54" x 164'	47
JDT429W546	54" x 328'	94
JDT429W30*	30" x 164'	25
* 2 Roll minimum		



Durability

3
yr

Finish

GLOSS
finish

Adhesive

opaque Semi Permanent

Special Features

FLAT
surface



	vehicles	windows
Durability	3yr	
Finish	See-Thru finish	
Adhesive	Semi Permanent	
Special Features	FLAT surface	

WV159 White Window Perf

Media: 8.0-mil Vinyl with Black Reverse Side and 50% Perforated with 1.5 mm Hole Diameter

Adhesive: Semi-Permanent, Clear Acrylic Pressure-sensitive

Liner: 7.0-mil Film Release Liner

Features and Benefits:

- 50/50 hole to printable media ratio
- View graphics from one side and “see-through” from other side
- Solvent and UV printable
- Three year outdoor durability

Typical Uses:

- Transit and vehicle
- Storefront advertising

Use with:

- PERMACOLOR[®] RAYZor[™] Gloss LF3640 - pg 32

IMAGin[®]
by MACtac[®]
WINDOWVIEW[™]

Physical Properties	Typical Values
Peel Adhesion , lb./in. 180° on Glass	- 24 hr 0.23-1.10
Quick Tack on Glass , lb./in ²	0.6-0.17
Dimensional Stability (shrinkage) , % 48 hours @ 158°F (70°C)	max 0.2
Temperature Ranges Minimum Application: End Use:	50°F (+10°C) 0° to 140°F (-15° to 60°C)
Shelf Life:	Two years from D.O.M when stored at 60/77°F (15-25°C) and 50% relative humidity in the original packaging.

Stock No.	Roll Width x Length	Weight: Pounds
WP159W54L100	54" x 100'	47

WV139 White Window Perf

Media: 6.0-mil Vinyl with Black Reverse Side and 70% Print Surface and 30% Open Area

Adhesive: Removable, Clear Acrylic Pressure-sensitive

Liner: 6.0-mil Paper Release Liner

Features and Benefits:

- 70/30 hole to printable media ratio
- View graphics from one side and “see-through” from other side
- Solvent and latex printable
- 18 Months outdoor durability

Typical Uses:

- Storefront advertising

Use with:

- PERMACOLOR RAYZor Gloss LF3640 - pg 32

IMAGin[®]
by MACtac[®]
WINDOWVIEW[™]

Physical Properties	Typical Values
Thickness , inches (mm) Film plus adhesive Film, adhesive and liner	.0065 .0125
Dimensional Stability (shrinkage) , % 48 hours @ 158°F (70°C)	fair
Temperature Ranges Minimum Application: End Use:	40°F (+10°C) 0° to 140°F (-15° to 60°C)
Shelf Life:	Two years from D.O.M when stored at 60/77°F (15-25°C) and 50% relative humidity in the original packaging.

Stock No.	Roll Width x Length	Weight: Pounds
WV139W54L25	54" x 25'	15
WV139W54L100	54" x 100'	34

	windows
Durability	18month
Finish	See-Thru finish
Adhesive	Removable
Special Features	FLAT surface

WV129 White Window Perf

Media: 6.0-mil Vinyl, 60/40 Open Perforation with 1.6 mm Hole Diameter and 2.4 mm Between Holes

Adhesive: Semi-Permanent, Black Pressure-sensitive

Liner: 86# White Kraft Liner

IMAGin®
by MACtac®
WINDOWVIEW™

Features and Benefits:

- 60/40 hole to printable media ratio
- View graphics from one side and “see-through” from other side
- Solvent and eco-solvent printable
- One year outdoor durability

Typical Uses:

- Transit
- Storefront advertising

Use with:

- PERMACOLOR® RAYZor™ - pg 32

Physical Properties	Typical Values
Peel Adhesion , lb./in. 180° on Glass	- 24 hr 1.0-2.0
Quick Tack on Glass , lb./in ²	1.4-2.3
Dimensional Stability (shrinkage) , % 48 hours @ 158°F (70°C)	max 0.2
Temperature Ranges Minimum Application: End Use:	50°F (+10°C) 0° to 140°F (-15° to 60°C)
Shelf Life:	Two years from D.O.M when stored at 60/77°F (15-25°C) and 50% relative humidity in the original packaging.

Stock No.	Roll Width x Length	Weight: Pounds
WP129W54L164	54" x 164'	47



Durability

1 yr

Finish

See-Thru
finish

Adhesive

Semi
Permanent

Special Features

FLAT
surface

WVC109 Opaque White | WVC199 Clear

Media: 8.0-mil Vinyl

Adhesive: Static Cling

Liner: 8# White PE Liner

WINDOWVIEW®
CLING

Features and Benefits:

- Clings to glass and smooth stainless steel
- Solvent, latex and UV ink jet printable
- Up to six months outdoors

Typical Uses:

- Short-term promotional applications - signage

Physical Properties	Typical Values
Thickness Film Total Products	0.008 0.016
Tensile Strength , lb. MD CD	>18 >18
Dimensional Stability (shrinkage) , % MD CD	≤ 5 ≤ 2
Temperature Ranges Minimum Application: End Use:	40°F (+10°C) 20° to 140°F (-6° to 60°C)
Shelf Life:	Two years from D.O.M when stored at 60/77°F (15-25°C) and 50% relative humidity in the original packaging.

Stock No.	Roll Width x Length	Weight: Pounds
WVC109W54L100	54" x 100'	65
WVC199W54L100	54" x 100'	65



Durability

6
month

Finish

opaque CLEAR

Adhesive

Special Features

FLAT
surface

REBEL[®] - versatility and value.

Need to do a large run, in a short time and you're watching the bottom line? Then you need **REBEL**, a full line of quality screen-printable media for a wide range of graphic applications. **REBEL** products are available in **roll** or **sheet** form with outdoor durability from 2, 4 & 5 years. From signage and vehicle graphics to point-of-purchase, billboards, banners and more, **REBEL** can provide you with cost-effective, long lasting graphics.



	Product Series	Description	point-of-purchase	Decals	Trade Shows	Windows
High-Performance	RB528X	REBEL [®] X-TREME 4.0-mil Matte White X-treme	■	■	■	
	RB528H	4.0-mil Matte White High-tack	■	■	■	
	RB528P	4.0-mil Matte White G.P. Permanent	■	■	■	
	RB528R	4.0-mil Matte White Removable	■	■	■	
	RB529P	4.0-mil Gloss White G.P Permanent	■	■	■	
	RB529R	4.0-mil Gloss White Removable	■	■	■	
	RB599H	4.0-mil Clear Gloss High-tack	■	■	■	■
	RB599R	4.0-mil Clear Gloss Removable	■	■	■	■
Intermediate	RB428P	4.0-mil Matte White Permanent	■	■	■	
	RB429P	4.0-mil Gloss White Permanent	■	■	■	
Promotional	RB228P	3.4-mil Matte White Permanent	■	■	■	
	RB228R	3.4-mil Matte White Removable	■	■	■	■

Features and Benefits:

- Vinyl opaque media in matte and gloss finishes
- Permanent and removable clear adhesives
- Removable adhesive is cleanly removable from a range of substrates
- Facestocks designed specifically for screen printing and digital printing
- Adhesive systems matched to a broad range of demanding applications
- Specially formulated liners for excellent layflat
- Warranted to work
- Compatible with wide-format solvent and eco-solvent, latex and UV inks, as well as solvent and UV screen inks

								PERMACOLOR® Laminate Recommendation		
								ColorGard® LUV Series	PERMACOLOR PromoGard™ Series	PERMACOLOR PermaFlex™ Thick Laminate, PVC, PP, PC
Indoor Floors	Billboards	Promotional	Textured Surfaces	Low Energy Surfaces	Durability	Opacity (%)	Adhesive / Liner / Durability			
	■		■		5	99	X-treme High-tack, clear acrylic / 90# Superflat™/ 5 years	■		■
	■			■	5	99	High-tack, clear acrylic / 90# Superflat / 5 years	■		■
					5	99	Permanent, clear acrylic / 90# Superflat / 5 years	■		■
■		■			5	99	Removable, clear acrylic / 90# Superflat / 5 years	■		■
					5	99	Permanent, clear acrylic / 90# Superflat / 5 years	■		■
■		■			5	99	Removable, clear acrylic / 90# Superflat / 5 years	■		■
	■				5	0	High-tack, clear acrylic / 90# Superflat / 5 years	■		■
■		■			5	0	Removable, clear acrylic / 90# Superflat / 5 years	■		■
		■			4	92	Permanent, clear acrylic / 90# Superflat / 4 years	■		■
		■		■	4	92	Permanent, clear acrylic / 90# Superflat / 4 years	■		■
		■			2	80	Permanent, clear acrylic / 90# Coated two sides / 2 years		■	■
■		■			2	80	Removable, clear acrylic / 90# Coated two sides / 2 years		■	■



NEW!

walls signage

Durability

5yr

Finish

opaque **MATTE** finish

Adhesive

HIGH TACK Permanent

Special Features

FLAT surface

RB528X Matte White

Media: 4.0-mil Opaque PVC Film

Adhesive: **Extremely Aggressive**, Permanent Acrylic Pressure-sensitive

Liner: 90# Polycoated 2-side SuperFlat™ Liner

Features and Benefits:

- REBEL X can be printed on multiply platforms: Screen, latex, UV and solvent ink jet, thermal transfer, UV Flexo and UV offset.
- Five year or better outdoor durability
- Brilliant blue white face offers the best base for great color reproduction, especially with high intensity images!

Typical Uses:

- Any job where your graphic just has to stick and stay stuck!
- Indoor and outdoor concrete surfaces: support pillars and smooth to slightly rough concrete or cinder block walls.
- Tough-to-adhere to applications like trash cans, storage bins, moderately pebbled surfaces



Physical Properties	Typical Values
Thickness	.00
Peel Adhesion , lb/in. (N/25 mm)	
Stainless Steel - 30 min.	7.0 (30)
-24 hr	10.0 (43.5)
Quick Tack on SS , lb./in2 (N/25mm)	6.5 (33)
Dimensional Stability (shrinkage), %	
48 hours @ 158°F (70°C)	Max 0.05
Temperature Ranges	
Application:	40° to 150°F (-4°C to 65°C)
End Use:	-30° to 225° F (35° to 107°C)
Shelf Life:	Two years from D.O.M when stored at 60/77°F (15-25°C) and 50% relative humidity in the original packaging.

Stock No.	Roll Width x Length	Core	Weight: Pounds
RB528XW54L50	54" x 50'	3"	25
RB528XW54L150	54" x 150'	3"	60

Custom sizes available upon request.



NEW!

floors windows walls signage

Durability

5yr

Finish

opaque **MATTE** finish

Adhesive

HIGH TACK Permanent

Special Features

UV FLAT surface

RB528H Matte, Opaque White

Media: 4.0-mil Vinyl

Adhesive: High-tack, Permanent Acrylic Pressure-sensitive

Liner: 90# SuperFlat™ Polycoated Release Liner

Features and Benefits:

- Wide-format and screen printable
- 100% opacity
- Five year outdoor durability
- True white matte face
- High-tack permanent bond
- Resists creep, solvents and heat

Typical Uses:

- Low surface energy applications
- Gator®, Sintra®, Primed MDO
- OEM decals
- Permanent wall murals
- Point-of-purchase displays
- Intermediate outdoor signage
- Long-term indoor signage

Physical Properties	Typical Values
Thickness	.0045 (144)
Peel Adhesion , lb/in. (N/25 mm)	
Stainless Steel - 30 min.	4.4 (19)
-24 hr	6.0 (26)
-24 hr heat aged @158°F	7.2 (32)
-72 hr	7.0 (31)
-72 hr aluminum	8.8 (39)
-72 hr Powder coated paint	4.5 (20)
Quick Tack on SS , lb./in2 (N/25mm)	3.5 (15.3)
Dimensional Stability (shrinkage), %	
48 hours @ 158°F (70°C) MC / CD	.06/.04
Temperature Ranges	
Application:	40° to 150°F (-4°C to 65°C)
End Use:	-75° to 200° F (-59° to 94°C)
Shelf Life:	Two years from D.O.M when stored at 60/77°F (15-25°C) and 50% relative humidity in the original packaging.

Stock No.	Roll Width x Length	Core	Weight: Pounds
RB528HW54L150	54" x 150'	3"	46
RB528HW60L150	60" x 150'	3"	52
RB528HW60L300	60" x 300'	3"	92
RB528HW6"	54" x 300'	6"	92

Custom sizes available upon request.

RB528P Matte, Opaque White | RB529P High-gloss White

Media: 4.0-mil Vinyl

Adhesive: Permanent Acrylic Pressure-sensitive

Liner: 90# SuperFlat™ Polycoated Release Liner

Features and Benefits:

- Wide-format and screen printable
- Five year outdoor durability
- True white matte face
- Strong permanent bond
- Resists creep, solvents and heat

Typical Uses:

- Screen print labels and OEM decals
- Point of purchase displays
- Outdoor signage
- Long-term indoor signage

Physical Properties	Typical Values
Thickness	.0042 (106)
Peel Adhesion , lb/in. (N/25 mm)	
Stainless Steel - 30 min.	2.7 (12)
-24 hr	3.5 (15)
-24 hr heat aged @158°F	4.5 (20)
Quick Tack on SS , lb./in2 (N/25mm)	1.7
Dimensional Stability (shrinkage), %	
48 hours @ 158°F (70°C) MC / CD	.06/.04
Temperature Ranges	
Application: 40° to 150°F (-4°C to 65°C)	
End Use: -75° to 200° F (-59° to 94°C)	
Shelf Life:	
Two years from D.O.M when stored at 60/77°F (15-25°C) and 50% relative humidity in the original packaging.	

Stock No. Matte	Stock No. High-gloss	Roll Width x Length	Core	Weight: Pounds
RB528PW54L150	RB529PW54L150	54" x 150'	3"	46
RB528PW60L150	RB529PW60L150	60" x 150'	3"	52
RB528PW6*	RB529PW6*	54" x 300'	6"	92

Custom sizes available upon request.

RB528R Matte, Opaque White | RB529R High-gloss White

Media: 4.0-mil Vinyl

Adhesive: Removable Acrylic Pressure-sensitive

Liner: 90# SuperFlat™ Polycoated Release Liner

Features and Benefits:

- Wide-format and screen printable
- Five year outdoor durability
- True white matte face
- Lower initial tack
- Stronger removable bond

Typical Uses:

- Screen print labels and decals
- Floor, wall and window graphics
- Point-of-purchase displays
- Outdoor signage
- Indoor signage

Physical Properties	Typical Values
Thickness	.0042 (106)
Peel Adhesion , lb/in. (N/25 mm)	
Stainless Steel - 30 min.	2.0 (8.7)
-24 hr	2.7 (12)
-1 wk heat aged @158°F	3.0 (13)
Glass- 30 min.	2.1 (9.2)
-24 hr	2.0 (8.7)
-1 wk heat aged @158°F	2.8 (12.2)
Quick Tack lb./in2 (N/25mm)	
Stainless Steel	1.2 (5.2)
Glass	1.2 (5.2)
Dimensional Stability (shrinkage), %	
48 hours @ 158°F (70°C) MC / CD	.06/.04
Temperature Ranges	
Application: 32° to 150°F (0°C to 65°C)	
End Use: -75° to 200° F (-59° to 94°C)	
Shelf Life:	
Two years from D.O.M when stored at 60/77°F (15-25°C) and 50% relative humidity in the original packaging.	

Stock No. Matte	Stock No. High-gloss	Roll Width x Length	Core	Weight: Pounds
RB528RW54L150	RB529RW54L150	54" x 150'	3"	46
RB528RW60L150	RB529RW60L150	60" x 150'	3"	52
RB528RW6*	RB529RW6*	54" x 300'	6"	92

Custom sizes available upon request.

* Special roll size for drum-type printers



Durability

5yr

Finish

MATTE **HIGH GLOSS** **opaque**
finish **finish**

Adhesive

Permanent

Special Features

FLAT
surface



Durability

5yr

Finish

MATTE **HIGH GLOSS** **opaque**
finish **finish**

Adhesive

Permanent

Special Features

FLAT
surface

High-Performance Multi-Print Media



walls

signage

Durability

5yr

Finish

CLEAR HIGH GLOSS finish

Adhesive

HIGH TACK Permanent

Special Features

FLAT surface

RB599H High-gloss Clear

Media: 4.0-mil Flexible Vinyl

Adhesive: High-tack, Permanent Acrylic Pressure-sensitive

Liner: 90# SuperFlat™ Polycoated Release Liner

Features and Benefits:

- Wide-format and screen printable
- Up to five year outdoor durability
- High-tack for hard-to-stick-to materials

Typical Uses:

- Low surface energy applications
- Gator, Sintra, Primed MDO
- OEM decals
- point-of-purchase displays
- Medium to long-term outdoor signage

Physical Properties	Typical Values
Thickness	.0045 (144)
Peel Adhesion , lb/in. (N/25 mm)	
Stainless Steel - 30 min.	4.4 (19)
-24 hr	6.0 (26)
-24 hr heat aged @158°F	7.2 (32)
-72 hr	7.0 (31)
-72 hr aluminum	8.8 (39)
-72 hr Powder coated paint	4.5 (20)
Quick Tack on SS , lb./in2 (N/25mm)	3.5 (15.3)
Dimensional Stability (shrinkage), %	
48 hours @ 158°F (70°C) MC / CD	.06/.04
Temperature Ranges	
Application:	40° to 150°F (-4°C to 65°C)
End Use:	-75° to 200° F (-59° to 94°C)
Shelf Life:	Two years from D.O.M when stored at 60/77°F (15-25°C) and 50% relative humidity in the original packaging.

Stock No.	Roll Width x Length	Core	Weight: Pounds
RB599HW54L150	54" x 150'	3"	43
RB599HW54L300	54" x 300'	3"	92
RB599HW546	54" x 300'	6"	92

Custom sizes available upon request.



walls

signage

Durability

5yr

Finish

CLEAR GLOSS finish

Adhesive

Removable

Special Features

FLAT surface

RB599R High-gloss Clear

Media: 4.0-mil Vinyl

Adhesive: Removable Acrylic Pressure-sensitive

Liner: 90# SuperFlat™ Polycoated Release Liner

Features and Benefits:

- Wide-format and screen printable
- Five year durability
- Two year removability
- High-gloss face
- Lower initial tack
- Stronger removable bond

Typical Uses:

- Screen print labels and decals
- Window graphics
- Point-of-purchase displays
- Intermediate outdoor signage
- Intermediate indoor signage

Physical Properties	Typical Values
Thickness	.0042 (1.6)
Peel Adhesion , lb/in. (N/25 mm)	
Stainless Steel - 30 min.	1.7 (7.5)
-24 hr	2.2 (9.6)
Quick Tack on SS , lb./in2 (N/25mm)	1.5 (6.5)
Dimensional Stability (shrinkage), %	
48 hours @ 158°F (70°C) MC / CD	.06/.04
Temperature Ranges	
Application:	32° to 150°F (0°C to 65°C)
End Use:	-40° to 200° F (-5° to 94°C)
Shelf Life:	Two years from D.O.M when stored at 60/77°F (15-25°C) and 50% relative humidity in the original packaging.

Stock No.	Roll Width x Length	Core	Weight: Pounds
RB599RW54L150	54" x 150'	3"	46
RB599RW6*	54" x 300'	6"	92
RB599RW60L150	60" x 150'	3"	52

Custom sizes available upon request.

RB428P Matte White**Media:** 4.0-mil Non-top Coated Vinyl**Adhesive:** Permanent Acrylic Pressure-sensitive**Liner:** 90# SuperFlat™ C2S Polycoated Release Liner**Features and Benefits:**

- Wide-format and screen printable
- Four year outdoor durability
- True white matte face
- Strong permanent bond
- Resists creep, solvents and heat

Typical Uses:

- Screen print labels and OEM decals
- Point of purchase displays
- Intermediate outdoor signage
- Long-term indoor signage

Physical Properties	Typical Values
Thickness -	
Face plus adhesive	.004 (157)
Face, adhesive & liner	.011 (279)
Peel Adhesion , lb/in. (N/25 mm)	
Stainless Steel - 30 min.	2.7 (12)
-24 hr	3.2 (14)
-24 hr heat aged @158°F	4.0 (18)
Quick Tack on SS , lb./in2 (N/25mm)	1.5
Dimensional Stability (shrinkage), %	
48 hours @ 158°F (70°C) MC / CD	0.1/0.1
Temperature Ranges	
Application: 50°F min. (10°C)	
End Use: -40° to 200° F (-40° to 93°C)	
Shelf Life:	
Two years from D.O.M when stored at 60/77°F (15-25°C) and 50% relative humidity in the original packaging.	

Stock No.	Roll Width x Length	Core	Weight: Pounds
Matte			
RB428PW54L150	54" x 150'	3"	46
RB428PW6*	54" x 300'	6"	92
RB428PW60L150	60" x 150'	3"	52
Custom sizes available upon request.			

RB429P Gloss White**Media:** 4.0-mil Non-top Coated Vinyl**Adhesive:** Permanent Acrylic Pressure-sensitive**Liner:** 90# SuperFlat™ C2S Polycoated Release Liner**Features and Benefits:**

- Wide-format and screen printable
- Four year outdoor durability
- True white matte face
- Strong permanent bond
- Resists creep, solvents and heat

Typical Uses:

- Screen print labels and OEM decals
- Point of purchase displays
- Intermediate outdoor signage
- Long-term indoor signage

Physical Properties	Typical Values
Thickness -	
Face plus adhesive	.004 (157)
Face, adhesive & liner	.011 (279)
Peel Adhesion , lb/in. (N/25 mm)	
Stainless Steel - 30 min.	2.7 (12)
-24 hr	3.2 (14)
-24 hr heat aged @158°F	4.0 (18)
Quick Tack on SS , lb./in2 (N/25mm)	1.5
Dimensional Stability (shrinkage), %	
48 hours @ 158°F (70°C) MC / CD	0.1/0.1
Temperature Ranges	
Application: 50°F min. (10°C)	
End Use: -40° to 200° F (-40° to 93°C)	
Shelf Life:	
Two years from D.O.M when stored at 60/77°F (15-25°C) and 50% relative humidity in the original packaging.	

Stock No.	Roll Width x Length	Core	Weight: Pounds
Gloss			
RB429PW54L150	54" x 150'	3"	46
RB429PW6*	54" x 300'	6"	92
RB429PW60L150	60" x 150'	3"	52
Custom sizes available upon request.			

**Durability****4yr****Finish**opaque **MATTE**
finish**Adhesive**

Permanent

Special FeaturesFLAT
surface**Durability****4yr****Finish**opaque **GLOSS**
finish**Adhesive**

Permanent

Special FeaturesFLAT
surface

Promotional Multi-Print Media

RB228P Matte White

Media: 3.4-mil Flexible Vinyl

Adhesive: Permanent Acrylic Pressure-sensitive

Liner: 90# SuperFlat™ C2S Polycoated Release Liner

Features and Benefits:

- Wide-format and screen printable
- Two year durability
- Matte face

Typical Uses:

- Screen print labels and decals
- Promotional indoor/outdoor graphics
- Point-of-purchase, display graphics

Physical Properties	Typical Values
Thickness	
Face plus adhesive	.0042 (106)
Face, adhesive & liner	.0112 (284)
Peel Adhesion , lb/in. (N/25 mm)	
Stainless Steel - 30 min.	3.0 (13)
-24 hr	4.5 (20)
Quick Tack on SS , lb./in2 (N/25mm)	2.0 (8.7)
Dimensional Stability (shrinkage), %	
48 hours @ 158°F (70°C) MC / CD	.2/2
Temperature Ranges	
Application: 50°F (10°C)	
End Use: -40° to 180° F (-5° to 82°C)	
Shelf Life:	
Two years from D.O.M when stored at 60/77°F (15-25°C) and 50% relative humidity in the original packaging.	

Stock No.	Roll Width x Length	Core	Weight: Pounds
RB228PW54L150	54" x 150'	3"	45
Custom sizes available upon request.			

Durability

2
yr

Finish

MATTE
finish

Adhesive

Permanent

Special Features

DIGITAL
graphics

FLAT
surface

RB228R Matte White

Media: 3.4-mil Flexible Vinyl

Adhesive: Removable Acrylic Pressure-sensitive

Liner: 90# SuperFlat™ C2S Polycoated Release Liner

Features and Benefits:

- Wide-format and screen printable
- Two year durability
- Six months to one year removability
- Matte face
- Stronger removable bond

Typical Uses:

- Screen print labels and decals
- Promotional indoor/outdoor graphics
- Point-of-purchase, display graphics

Physical Properties	Typical Values
Thickness	
Face plus adhesive	.004 (102)
Face, adhesive & liner	.011 (279)
Peel Adhesion , lb/in. (N/25 mm)	
Stainless Steel - 30 min.	2.2 (9.6)
-24 hr	2.8 (12)
Quick Tack on SS , lb./in2 (N/25mm)	2.0 (8.7)
Dimensional Stability (shrinkage), %	
48 hours @ 158°F (70°C) MC / CD	.2/2
Temperature Ranges	
Application: 50°F (10°C)	
End Use: -40° to 180° F (-5° to 82°C)	
Shelf Life:	
Two years from D.O.M when stored at 60/77°F (15-25°C) and 50% relative humidity in the original packaging.	

Stock No.	Roll Width x Length	Core	Weight: Pounds
RB228RW54L150	54" x 150'	3"	45
Custom sizes available upon request.			

Durability

2
yr

Finish

MATTE
finish

Adhesive

Removable

Special Features

DIGITAL
graphics

FLAT
surface

PERMACOLOR®...because your image is everything.

Choose **PERMACOLOR** films from Mactac® - the most complete line of mounting and laminating products designed to protect graphic images while enhancing their appearance. **PERMACOLOR** films are ideal for use with photographic, ink jet, electrostatic, lithographic and screen-printed images.

PERMACOLOR films are available in a variety of finishes to suit any application need and a variety of sizes, so even the smallest image can be protected.

Most **PERMACOLOR** films offer an aggressive pH-neutral adhesive and are compatible with sensitive paper substrates.

Both pressure-sensitive and thermal films can be applied with industry standard laminators.

Features:

- Wide variety of finishes (high-gloss, gloss, matte, lustre)
- Line of tough laminates for rollable graphics
- Optically-clear films for enhanced photo clarity and color vibrancy
- Specifically designed for protection of digital images
- Wide variety of thicknesses for easy handling and display
- Cast vinyl for ultra conformable applications
- Anti-graffiti and window protection
- Dry-erase

Benefits:

- Uniform appearance across a broad range of substrates
- Indoor and outdoor versatility
- Superior UV protection for long-lasting prints
- Compatible with cold roll and thermal laminators
- Outstanding image protection
- Thermal laminates can be used on water-based ink jet prints
- PH-neutral adhesive

PermaPrint® High-Performance Mounting Films

PermaFlex® High-Performance Rigid PS Overlaminates

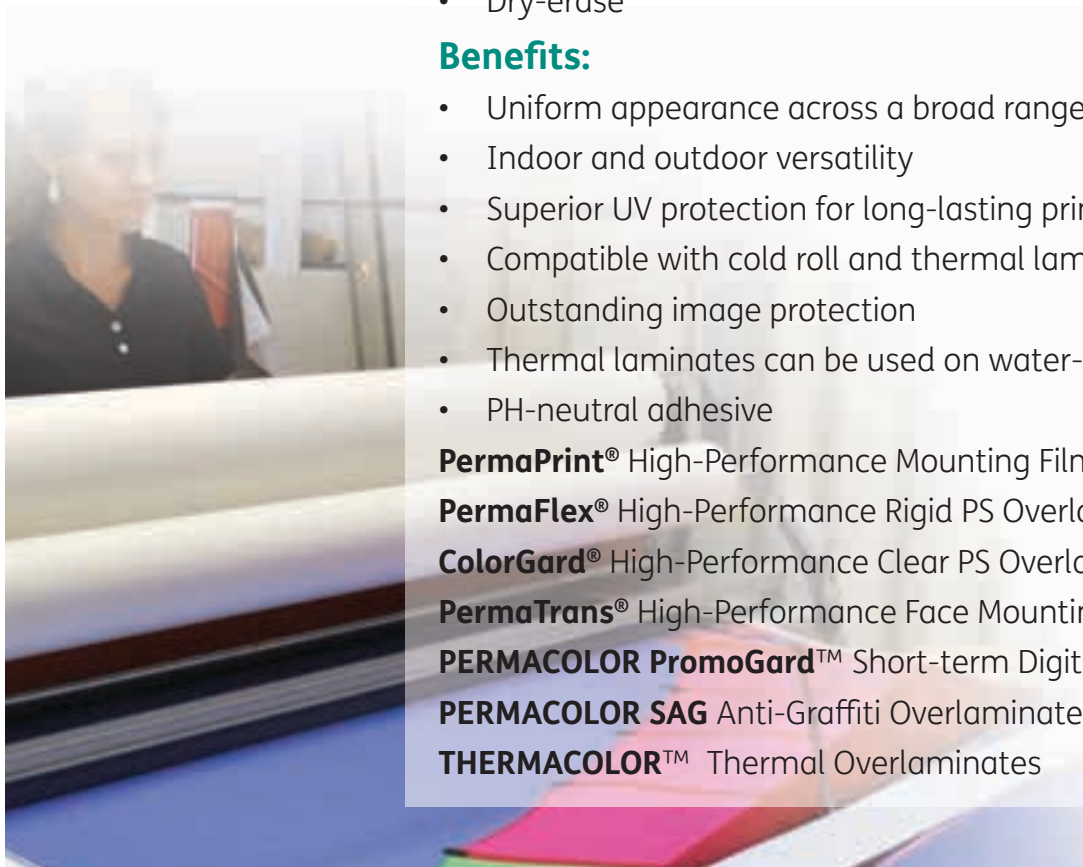
ColorGard® High-Performance Clear PS Overlaminates

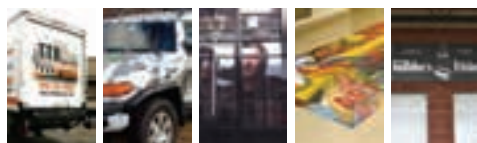
PermaTrans® High-Performance Face Mounting Films

PERMACOLOR PromoGard™ Short-term Digital PS Overlaminates

PERMACOLOR SAG Anti-Graffiti Overlaminates

THERMACOLOR™ Thermal Overlaminates





	Product	Description	Full & Partial Fleet Wraps	Full & Partial Vehicle Wraps	Windows	Floors	Outdoor Signage	
High-Performance Overlaminates	PERMACOLOR® RAYZor™ - LF3640	1.5-mil Optically clear Gloss, Cast PVC	■	■	■	■	■	
	PERMACOLOR RAYZor - LF3640G	1.5-mil Clear Gloss, Cast PVC	■	■	■	■	■	
	PERMACOLOR RAYZor - LF3630G	1.5-mil Clear Matte, Cast PVC	■	■	■	■	■	
	Crystal Enhancers	2.5-mil Brilliant Crystal	■	■			■	
	Crystal Enhancers	3.0-mil Silver Metallic	■	■			■	
Intermediate Overlaminates	ColorGard® LUV8000	3.0-mil Gloss PVC			■		■	
	ColorGard LUV8300	3.2-mil Lustre PVC			■		■	
	ColorGard LUV8200	3.2-mil Matte PVC			■		■	
Promotional Overlaminates	PERMACOLOR® PromoGard™ PG7000	3.5-mil Gloss PVC					■	
	PERMACOLOR PromoGard PG7300	3.5-mil Lustre PVC					■	
	PERMACOLOR PromoGard PG7200	3.5-mil Matte PVC					■	
	PERMACOLOR LF655079	2.9-mil Matte PVC @ 79" wide					■	
	PERMACOLOR LF656079	2.9-mil Gloss PVC @ 79" wide					■	
Specialty Overlaminates	PermaGard® PDG6054 Dry-Erase	1.0-mil Clear Gloss Hard Coated Polyester			■		■	
	PermaFlex® - IP6000 Lustex® 15	15-mil Clear Textured Polycarbonate Film				■	■	
	PermaFlex - IP6100 Lustex 10	10-mil Clear Textured Polycarbonate Film				■	■	
	PermaFlex - IP6200 Lustex 5	5.0-mil Clear Textured Polycarbonate Film				■	■	
	PermaFlex FloorGrip™- PF6600	6.0-mil Clear Textured PVC Film				■	■	
	PermaFlex - PF6300	5.0-mil Clear Textured PVC Film				■	■	
	PermaFlex - PF6400	3.75-mil Clear Textured Gloss Polyolefin Film				■	■	
Superior Anti-Graffiti (SAG) and Window Protection Films	SAG 36	1.4-mil (36 micron) High-gloss PET			■		■	
	SAG 53	2.0-mil (53 micron) High-gloss, Hard Coated PET			■		■	
	SAG 175	6.9-mil (175 micron) High-gloss, Hard Coated PET			■		■	
High-Performance & Intermediate Face (2nd surface) Mounting Films	PermaTrans® - PUV2100	Optically Clear, Permanent/ Permanent			■		■	
	ColorTrans™ - CT2500	Optically Clear, Permanent / Silicone Removable			■			
	ColorTrans - CT2200	Optically Clear, Permanent/Removable			■			
High-Performance, Intermediate & Economy Back Mounting Films	PermaPrint® - IP5000	Opaque, Double-Coated, Permanent/ Permanent					■	
	PermaPrint - PP2011	Clear PET Carrier, Permanent/ Permanent					■	
	PERMACOLOR GEMINI™ XT PP5000	Back-Mounting Film: Opaque White Carrier, Permanent/ Permanent					■	
	PERMACOLOR GEMINI XT - PP5600	Back-Mounting Film: Clear Carrier, Permanent/ Permanent					■	

      							Adhesive, Liner & Durability	Recommended Media	B-free Gruv GVC929	B-free Gruv 729	IMAGin 5800, Gruv 529	IMAGin PrintVinyl PV 800 & PVC800 Series	REBEL RB500 & RB400 Series	REBEL RB200 Series	IMAGin RoughRAP RR100	IMAGin StreetRap STR328
P.O.P / Indoor	Trade Shows	Boats	Museum	Light BOX	Bus	Walls										
							Permanent, Clear Acrylic / 1.2-mil PET / 5 Years Outdoor & 8 Years Indoor									
							Permanent, Clear Acrylic / 50# Calendered Paper / 5 Years Outdoor & 8 Years Indoor									
							Permanent, Clear Acrylic / 50# Calendered Paper / 5 Years Outdoor & 8 Years Indoor									
							Permanent, Clear Acrylic / 78# White kraft / 5 Yr Outdoor & 8 Years Indoor									
							Permanent, Clear Acrylic / 78# White Kraft / 5 Years Outdoor & 8 Years Indoor									
							Permanent, Clear Acrylic / 50# Clay-Coated Kraft / 4 Years									
							Permanent, Clear Acrylic / 50# Clay-Coated Kraft / 4 Years									
							Permanent, Clear Acrylic / 50# Clay-Coated Kraft / 4 Years									
							Permanent, Clear Acrylic / 40# Calendered Paper / 2 Years Outdoor									
							Permanent, Clear Acrylic / 40# Calendered Paper / 2 Years Outdoor									
							Permanent, Clear Acrylic / 40# Calendered Paper / 2 Years Outdoor									
							Permanent, Clear Acrylic / 40# Calendered Paper / 2 Years Outdoor									
							Permanent, Clear Acrylic / 40# Calendered Paper / 2 Years Outdoor									
							Permanent Clear Acrylic / 78# White Kraft / 1 Year Outdoor									
							Permanent Clear Acrylic / 2-mil PET / 3 Years Outdoor & 5 Years Indoor									
							Permanent Clear Acrylic / 1.2-mil PET / 3 Years Outdoor & 5 Years Indoor									
							Permanent Clear Acrylic / 1.2-mil PET / 3 Years Outdoor & 5 Years Indoor									
							Permanent Clear Acrylic, / 83# Paper / 3 Years Outdoor & 5 Years Indoor, 3 Months on Outdoor Floors									
							Permanent Clear Acrylic / 83# Paper / 3 Years Outdoor & 5 Years Indoor, 3 Years on Indoor Floors									
							Permanent Clear Acrylic / 55# SCK / 1 Yr Outdoor & 3 Years Indoor, 3 Months on Indoor Floors									
							Permanent Optically Clear Acrylic / 1.7-mil PET / 5 Years Outdoors									
							Permanent Optically Clear Acrylic / 78# White Kraft / 3 Years Outdoors									
							Permanent Optically Clear Acrylic / 1.4-mil PET / 2 Years Outdoors & 10 Years Indoor									
							Permanent, Double-Coated Clear Acrylic / 1.5-mil PET / 3 Years Outdoor									
							Permanent Acrylic / Removable Clear Silicone 1.5-mil PET / White OPP/ Up to 6 Month Removability									
							Permanent acrylic /removable clear acrylic 1.5-mil PET / Up to 6 Month Removability									
							Permanent, Opaque Acrylic / 92# PolyCoated / 3-5 Years Indoor									
							Permanent, Clear Acrylic / 60# Glassine / 3-5 Years Indoor									
							Aggressive Permanent Rubber / Opaque Carrier / Aggressive Rubber									
							Aggressive Permanent Rubber / Clear PET Carrier / Aggressive Permanent Rubber									



walls

floors

signage

vehicles

Durability

5yr

Finish

optically CLEAR

GLOSS finish

Adhesive

Semi Permanent

Special Features

CURVED surface

LF3640 Optically Clear Gloss LF3640G Gloss

Media: 1.5-mil Highly Conformable Cast PVC Film

Adhesive: Clear, Permanent Acrylic Pressure-sensitive

Liner: 1.2-mil Polyester Liner | 50# Calendered Paper

Features and Benefits:

- Built-in UV protection
- Optically clear gloss and gloss finishes
- Part of the B•free® application warranty
- Five to seven years outdoor durability

Typical Uses:

- Highly conformable for vehicle graphics, fleet, marine and textured wall graphics
- Image enhancement
- Marine graphics
- LF3648 with polyester liner used for perforated window film

Use with:

- B•free® Gruv™ - pgs 8, 12-13
- WindowVIEW® - pgs 20-21

PERMACOLOR®
RAYZor™
OVERLAMINATES

Physical Properties	Typical Values
Peel Adhesion , lb/in. (N/25 mm)	
Stainless Steel - 20 min.	3.0 (13.1)
- 24 hr	3.7 (16.5)
Quick Tack SS , lb./in2 (N/25mm)	2.5 (11)
Dimensional Stability , (in.)	
48 hours@158°F	max 0.01
Temperature Ranges	
Application: 40° F (4°C) for best results	
End Use: -50° to 225° F (-45° to 107°C)	
Shelf Life:	
Two years when stored at 75°F (24°C) and 50% relative humidity or less. Note: Mactac recommends the rolls be stored on end or suspended from the core.	

Stock No.	Roll Width x Length	Weight: Pounds
LF3648	54" x 150'	30
LF3642G*	30" x 150'	17
LF3648G	54" x 150'	30
LF3649G	60" x 150'	34

* 2 Roll minimum



walls

signage

vehicles

Durability

5yr

Finish

MATTE finish

Adhesive

Semi Permanent

Special Features

CURVED surface

LF3630G Matte

Media: 1.5-mil Highly Conformable Cast PVC Film

Adhesive: Clear, Permanent Acrylic Pressure-sensitive

Liner: 50# Release Liner

Features and Benefits:

- Built-in UV protection
- Part of the B•free application warranty

Typical Uses:

- Highly conformable for vehicle graphics, fleet, marine and rough wall graphics
- Flat, curved, corrugated and riveted surfaces

Use with:

- B•free Gruv - pgs 8, 12-13
- RoughRAP® RR100 - pg 19

PERMACOLOR®
RAYZor™
OVERLAMINATES

Physical Properties	Typical Values
Peel Adhesion , lb/in. (N/25 mm)	
Stainless Steel - 20 min.	2.0 (8.7)
- 24 hr	3.1 (13.2)
Quick Tack SS , lb./in2 (N/25mm)	2.5 (11)
Dimensional Stability , (in.)	
48 hours@158°F	max 0.01
Temperature Ranges	
Application: 58° F (10°C) for best results	
End Use: -50° to 225° F (-45° to 107°C)	
Shelf Life:	
Two years when stored at 75°F (24°C) and 50% relative humidity or less. Note: Mactac recommends the rolls be stored on end or suspended from the core.	

Stock No.	Roll Width x Length	Weight: Pounds
LF3638G	54" x 150'	30
LF3639G	60" x 150'	34

6300 Metallic Enhancers

Media: 2.5-mil Brilliant Crystal | 3.0-mil Silver Metallic

Adhesive: High-Performance, Permanent, Clear Solvent Acrylic

Liner: 78# Bleached White Kraft

PERMACOLOR®
Enhancers

Features and Benefits:

- Five year outdoor durability
- Two enhancers finishes

Typical Uses:

- Overlamine - flat, slightly curved applications
- Vehicle, fleet and marine graphics
- Colored vinyl enhancement
- General signage

Use with:

- B•free® Gruv™ GVC929 - pg 8
- B•free Gruv GV729 - pg 8
- MACmark 6600 - pg 54-55
- MACmark 9800 - pg 56
- Any graphic print for special effects finish

Physical Properties	Typical Values
Thickness , inches (µm)	
Crystal - Film plus adhesive	0.0037 (94)
Silver/Prism - Film plus adhesive	0.0042 (107)
Dimensional Stability (shrinkage)%	
48 hours @ 158°F (70°C)	
Bonded aluminum	0.1
Peel Adhesion , lb/in. (N/25 mm)	
Stainless Steel - 30 min.	2.8 (12.7)
- 24 hr	4.0 (17.8)
Face Material Data , 68°F (20°C)	
Tensile strength lb./in. (N/m)	>7.5 (13.00)
Elongation %	>120%
Temperature Ranges	
Application:	40° to 104° F (5° to 40°C) for best results
End Use:	-50° to 225°F (-45° to 107°C)
Shelf Life:	
Two years when stored at 75°F (24°C) and 50% relative humidity or less. Note: Mactac recommends the rolls be stored on end or suspended from the core.	

Stock No.	Roll Width x Length	Weight: Pounds
Silver Metallic		
CY63980054	54" x 50'	14
Brilliant Crystal		
CY63980154	54" x 50'	14
CY639801	60" x 150'	42



Durability



Finish



Adhesive



Special Features



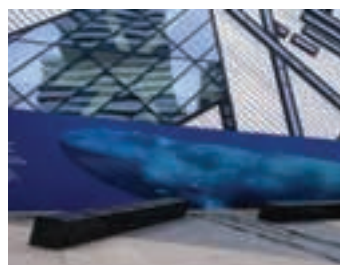


Photo courtesy of IDP



Durability

5
yr

Finish

GLOSS **MATTE** **LUSTRE**
finish finish finish

Adhesive

Permanent

Special Features



ColorGard® LUV 8000 Gloss | 8200 Matte | 8300 Lustre

ColorGard®
DIGITAL PS OVERLAMINATES

Media: 3.0-mil Gloss | 3.2-mil Matte | 3.2-mil Lustre,
PVC Overlaminating Films

Adhesive: Clear, Permanent Acrylic Pressure-sensitive

Liner: 50# Clay-Coated Kraft

Features and Benefits:

- Five to seven year outdoor durability
- Excellent adhesive wet-out for no silvering
- Suitable for UV, solvent, latex and eco-solvent printed graphics
- Protection against UV light, moisture and abrasion

Typical Uses:

- General purpose lamination of digital images
- Murals and exhibits
- Event graphics
- Retail posters and displays

Use with:

- Intermediate Media

Physical Properties	Typical Values
Thickness , inches (µm) Film plus adhesive Total product	0.0038 (96) 0.0053 (134)
Quick Tack , lb./in2 (N/25mm) Stainless Steel UV Ink jet Print	3.0 (13.2) 1.2 (8.3)
Shear , hours to fail Stainless Steel - 1000g@ 72°F (22°C)	150
Peel Adhesion , lb/in. (N/25 mm) Stainless Steel - 30 min. - 24 hr	3.5 (15.3) 4.2 (18.4)
Adhesive PH	Neutral
Temperature Ranges	
Application:	Above 45° F (7°C) for best results
End Use:	-40° to 150° F (-10° to 66°C)
Shelf Life: Two years when stored at 75°F (24°C) and 50% relative humidity or less. Note: Mactac recommends the rolls be stored on end or suspended from the core.	

Stock No. Gloss	Stock No. Matte	Stock No. Lustre	Roll Width x Length	Weight: Pounds
LUV8051W38L150	LUV8251W38L150	LUV8351W38L150	38" x 150'	30
LUV8051W51L150	LUV8251W51L150	LUV8351W51L150	51" x 150'	33
LUV8054W54L150	LUV8254W54L150	LUV8354W54L150	54" x 150'	35
LUV8060W60L150	LUV8260W60L150	LUV8360W60L150	60" x 150'	37

PG7000 Gloss | PG7200 Matte PG7300 Lustre

PromoGard™

Media: Promotional Overlamine Films

Adhesive: Clear, Permanent Acrylic Pressure-sensitive

Liner: 40# Liner

Features and Benefits:

- Suitable for use over solvent, eco-solvent, UV and latex printed wide-format graphics
- Up to four years outdoor durability

Typical Uses:

- Protection of short-term indoor and outdoor graphics

Physical Properties	Typical Values
Thickness , inches (µm)	
Film plus adhesive	0.0040 (101)
Total product	0.0055 (139)
Quick Tack , lb./in2 (N/25mm)	
Stainless Steel	1.5 (6.5)
Gloss , (60° angle)	88
Peel Adhesion , lb/in. (N/25 mm)	
Stainless Steel	- 30 min. 2.5 (11) - 24 hr 2.8 (12.25)
Adhesive PH	Neutral
Temperature Ranges	
Application:	Above 45° F (7°C) for best results
End Use:	-20° to 150° F (-30° to 66°C)
Shelf Life:	Two years when stored at 75°F (24°C) and 50% relative humidity or less. Note: Mactac recommends the rolls be stored on end or suspended from the core.

Stock No. PG7000	Stock No. PG7200	Stock No. PG7300	Roll Width x Length	Weight: Pounds
PG7051	PG7251		51" x 150'	45
PG7054	PG7254	PG7354	54" x 150'	48
PG7060	PG7260		60" x 150'	48



walls

signage

Durability

2yr

Finish

GLOSS **MATTE** **LUSTRE**
finish **finish** **finish**

Adhesive

Permanent

Special Features

FLAT
surface

LF655079 Matte | LF656079 Gloss

PromoGard™

Media: 2.5-mil Matte | 2.9-mil High-gloss, PVC

Adhesive: Clear, Permanent Acrylic Pressure-sensitive

Liner: 40# Calendered Paper

Features and Benefits:

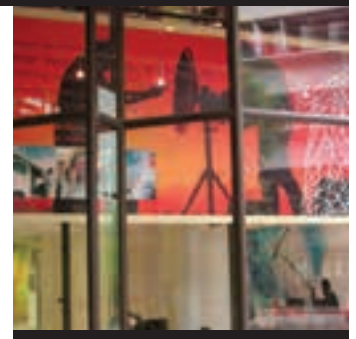
- 79" Roll width
- Suitable for use over solvent, eco-solvent, UV and latex printed wide-format graphics
- Two year outdoor durability

Typical Uses:

- Protection of short-term indoor and outdoor graphics

Physical Properties	Typical Values
Peel Adhesion , lb/in. (N/25 mm)	
Stainless Steel	- 30 min. 2.9 (13) - 24 hr 3.5 (16)
Quick Tack SS , lb./in2 (N/25mm)	2.3 (10)
Dimensional Stability , (in.)	
48 hours@158°F	MD .06 CD .05
Temperature Ranges	
Application:	58° F (10°C) for best results
End Use:	40° to 120° F (4.5° to 50°C)
Shelf Life:	Two years when stored at 75°F (24°C) and 50% relative humidity or less. Note: Mactac recommends the rolls be stored on end or suspended from the core.

Stock No.	Roll Width x Length	Weight: Pounds
LF655079 - Matte	79" x 150'	67
LF656079 - Gloss	79" x 150'	67



walls

signage

Durability

2yr

Finish

MATTE **HIGH GLOSS**
finish **finish**

Adhesive

Permanent

Special Features

UV **FLAT**
surface



walls

signage

Durability

5yr

Finish

GLOSS finish

Adhesive

Permanent

Special Features

DRY ERASE

UV

PDG6054 Gloss Clear

Media: 1.0-mil Topcoated Polyester Designed for Dry Erase

Adhesive: Clear, Permanent Acrylic Pressure-sensitive

Liner: 78# White Kraft

Features and Benefits:

- Gloss finish enhances appearance of the digital image
- UV inhibitors protect image from color fade
- Dry erase capabilities
- Short-term applications

Typical Uses:

- Menu boards
- Calendars
- White boards

PermaGard®

Physical Properties	Typical Values
Thickness , inches (µm)	
Film plus adhesive	0.0020 (51)
Total product	0.0032 (81)
Quick Tack on SS , lb./in2 (N/25mm)	1.5 (6.7)
Peel Adhesion , lb/in. (N/25 mm)	
Stainless Steel - 15 min.	1.9 (8.2)
-24 hr	2.5 (11)
Adhesive PH	Neutral
Temperature Ranges	
Application:	Above 40° F (5°C) for best results
End Use:	-40° to 180° F (-40° to 82°C)
Shelf Life:	Two years when stored at 75°F (24°C) and 50% relative humidity or less. Note: Mactac recommends the rolls be stored on end or suspended from the core.

Stock No.	Roll Width x Length	Weight: Pounds
PGD6054L150	54" x 150'	18



floors

walls

signage

Durability

5yr

Finish

TEXTURED finish

Adhesive

CLEAR Permanent

Special Features

UV

FLAT surface

IP6000 Lustex® 15

Media: 15-mil Polycarbonate Film with Special "Lustex" Finish

Adhesive: Clear, Permanent Acrylic Pressure-sensitive

Liner: 2.0-mil PET

Features and Benefits:

- Textured lustex finish polycarbonate
- Eliminates glare
- Three year outdoor / Five year indoor durability
- Protects from abrasion and moisture
- Retards color fade caused by UV light

Typical Uses:

- Trade show displays
- Rollable graphics
- Photo graphics
- Counter mats
- Direct food contact

PermaFlex®

Physical Properties	Typical Values
Thickness , inches (micron)	
Film plus adhesive	0.0165 (419)
White Light Transmission , %	
(Note: Glass =100)	92
Gloss, (60° angle)	12
Adhesive PH	Neutral
Co-efficient of Expansion	1.7 X10⁵ in/in/°C
Temperature Ranges	
Application:	Above 50° F (10°C) for best results
End Use:	-20° to 200° F (-29° to 93°C)
Shelf Life:	Two years when stored at 75°F (24°C) and 50% relative humidity or less. Note: Mactac recommends the rolls be stored on end or suspended from the core.

Stock No.	Roll Width x Length	Weight: Pounds
IP6007W37L150	37" x 150'	69
IP6002W54L150	54" x 150'	93
(wound on 6" I.D. cores with adapters for 3")		

IP6100 Lustex® 10

Media: 10.0-mil Polycarbonate Film with Special “Lustex” Finish

Adhesive: Clear, Permanent Acrylic Pressure-sensitive

Liner: 1.2-mil PET

Features and Benefits:

- Textured lustex finish polycarbonate
- Eliminates glare
- Three year outdoor / Five year indoor durability
- Protects from abrasion and moisture
- Retards color fade caused by UV light

Typical Uses:

- Trade show displays
- Rollable graphics
- Photo graphics
- Counter mats

PermaFlex®

Physical Properties	Typical Values
Thickness , inches (micron) Film plus adhesive	0.0115 (292)
White Light Transmission , % (Note: Glass =100)	92
Gloss, (60° angle)	13
Adhesive PH	Neutral
Co-efficient of Expansion	1.7 X10⁵ in/in/°C
Temperature Ranges	
Application:	Above 50° F (10°C) for best results
End Use:	-20° to 200° F (-29° to 93°C)
Shelf Life:	
Two years when stored at 75°F (24°C) and 50% relative humidity or less. Note: Mactac recommends the rolls be stored on end or suspended from the core.	

Stock No.	Roll Width x Length	Weight: Pounds
IP6102W51L150	51" x 150'	75
IP6107W37L150	37" x 150'	50

IP6200 Lustex 5

Media: 5.0-mil Polycarbonate Film with Special “Lustex” Finish

Adhesive: Clear, Permanent Acrylic Pressure-sensitive

Liner: 1.2-mil PET

Features and Benefits:

- Textured lustex finish polycarbonate
- Eliminates glare
- Three year outdoor / Five year indoor durability
- Protects from abrasion and moisture
- Retards color fade caused by UV light

Typical Uses:

- Floor graphics indoor use only
- Trade show headers
- Mouse pads
- Direct food contact

PermaFlex®

Physical Properties	Typical Values
Thickness , inches (micron) Film plus adhesive	0.0065 (165)
White Light Transmission , % (Note: Glass =100)	92
Gloss, (60° angle)	15
Adhesive PH	Neutral
Co-efficient of Expansion	1.7 X10⁵ in/in/°C
Temperature Ranges	
Application:	Above 50° F (10°C) for best results
End Use:	-20° to 200° F (-29° to 93°C)
Shelf Life:	
Two years when stored at 75°F (24°C) and 50% relative humidity or less. Note: Mactac recommends the rolls be stored on end or suspended from the core.	

Stock No.	Roll Width x Length	Weight: Pounds
IP6202W37L150	37" x 150'	30
IP6202W51L150	51" x 150'	41

Durability

5yr

Finish

TEXTURED finish

Adhesive

Permanent

Special Features

UV FLAT surface

Durability

5yr

Finish

TEXTURED finish

Adhesive

Permanent

Special Features

UV FLAT surface



floors

Durability

3yr

Finish

TEXTURED finish

Adhesive

Permanent

Special Features

UV **FLAT surface**

PF6600 Clear Textured Matte

Media: 6.0-mil Textured PVC

Adhesive: High-tack Clear, Permanent Acrylic Pressure-sensitive

Liner: 78# White Kraft

Features and Benefits:

- **Meets ANSI/NFSI B101.3 Standard for Slip Resistance**
- Compatible with all digital ink jet and UV inks
- UV inhibitors protect image from color fade
- Protects from abrasion and moisture
- Floors: outdoor durability is three months and indoor is 1 – 3 years depending on traffic
- Short-term applications

Typical Uses:

- Floor graphics

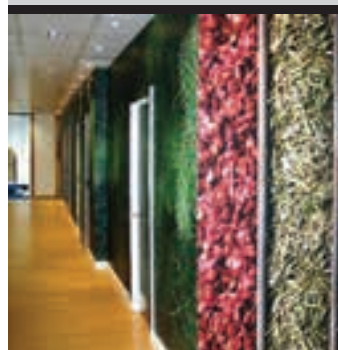
Use with:

- StreetRap™ - pg 16
- REBEL®



Physical Properties	Typical Values
Thickness , inches (µm) Film plus adhesive	0.007 (180)
Quick Tack on SS , lb./in2 (N/25mm)	3.2 (14)
Peel Adhesion , lb/in. (N/25 mm) Stainless Steel	- 20 min. 3.2 (14) - 24 hr 4.6 (20)
Adhesive PH	Neutral
Temperature Ranges	
Application:	60°F to 90° F (15°C to 32°C) for best results
End Use:	-22° to 160° F (-30° to 70°C)
Shelf Life:	
Two years when stored at 75°F (24°C) and 50% relative humidity or less. Note: Mactac recommends the rolls be stored on end or suspended from the core.	

Stock No.	Roll Width x Length	Weight: Pounds
PF6654W54L82	54" x 82'	30
PF6654W54L150	54" x 150'	48



floors **walls** **signage**

Durability

3yr

Finish

TEXTURED finish

Adhesive

Permanent

Special Features

UV **FLAT surface**

PF6300 Clear Textured Matte

Media: 5.0-mil Textured PVC Film

Adhesive: Clear, Permanent Acrylic Pressure-sensitive

Liner: 83# Paper Liner

Features and Benefits:

- Thin enough for retractable banners yet durable enough for floor graphics
- Outdoor durability is three years in vertical applications and indoor durability is five years
- Floors; use indoor only, durability is 1–3 years depending on traffic.
- Lamination to either one or both sides of photographic prints, transparencies and digital images to impart protection

Typical Uses:

- Floor graphics indoor only
- Trade show displays
- Retractable banners

Physical Properties	Typical Values
Thickness , inches (micron) Film plus adhesive	0.00591 (150)
Quick Tack on Glass , lb./in2 (N/25mm)	5.0 (22)
Peel Adhesion , lb/in. (N/25 mm) Glass- 20 min.	5.0 (22) - 24 hr 5.5 (24)
Adhesive PH	Neutral
Temperature Ranges	
Application:	32° to 120° F (0° to 49°C) for best results
End Use:	-22° to 140° F (-29° to 60°C)
Shelf Life:	
Two years when stored at 75°F (24°C) and 50% relative humidity or less. Note: Mactac recommends the rolls be stored on end or suspended from the core.	

Stock No.	Roll Width x Length	Weight: Pounds
PF6314	40.9" x 164'	35
PF6315	53.9" x 164'	40
PF6354L100	54" x 100'	24

PF6400 Clear Textured Gloss

Media: 3.75-mil Textured Polyolefin Film

Adhesive: Clear, Permanent Acrylic Pressure-sensitive

Liner: 55# SCK

Features and Benefits:

- Cost effective enough for short-term promotions
- Does not finger print

Typical Uses:

- Floor graphics in door only
- Wall murals
- Point-of-purchase and trade show displays
- Digital graphics

Use with:

- IMAGin® JT5828R - pg 11
- B•free® Gruv™ GV429R - pg 13
- IMAGin DigiTrans™ - pg 19
- REBEL® RB228R - pg 28

PermaFlex®

Physical Properties	Typical Values
Thickness , inches (µm) Film plus adhesive	0.047 (120)
180°Peel Adhesion , lb/in. (N/25 mm) Glass- 20 min.	1.5 (6.5) - 24 hr 2.0 (8.7)
Adhesive PH	Neutral
Temperature Ranges Application:	50° to 100° F (10° to 38°C) for best results
End Use:	-40° to 180°F (-30° to 82°C)
Shelf Life:	Two years when stored at 75°F (24°C) and 50% relative humidity or less. Note: Mactac recommends the rolls be stored on end or suspended from the core.

Stock No.	Roll Width x Length	Weight: Pounds
PF6454	54" x 150'	35



floors

walls

signage

5 yr

TEXTURED finish

Permanent

UV

FLAT surface

Durability

Finish

Adhesive

Special Features

PF6500 Clear Textured

Media: 5.3-mil Textured Vinyl

Adhesive: Clear, Permanent Acrylic Pressure-sensitive

Liner: 1.2-mil PET Release Liner

Features and Benefits:

- Tough, textured laminate for indoor and short-term outdoor walkway graphics
- Does not finger print

Typical Uses:

- Floor graphics
- Wall murals
- Point-of-purchase and tradeshow displays

Use with:

- IMAGin JT5828R - pg 11
- B•free Gruv GV429R - pg 13
- IMAGin DigiTrans - pg 19
- REBEL RB228R - pg 28

PermaFlex®

Physical Properties	Typical Values
Thickness , inches (µm) Film plus adhesive	0.0053 (135)
180°Peel Adhesion , lb/in. (N/25 mm) Stainless Steel	- 30 min. 2.9 (13) - 24 hr 3.5 (16)
Adhesive PH	Neutral
Temperature Ranges Application:	50° to 100° F (10° to 38°C) for best results
End Use:	-40° to 180°F (-30° to 82°C)
Shelf Life:	Two years when stored at 75°F (24°C) and 50% relative humidity or less. Note: Mactac recommends the rolls be stored on end or suspended from the core.

Stock No.	Roll Width x Length	Weight: Pounds
PF6538	38" x 164'	38
PF6554L150	54" x 150'	47

floors

walls

signage

5 yr

TEXTURED finish

Permanent

pH neutral

UV

DIGITAL graphics

Durability

Finish

Adhesive

Special Features



NEW!

windows signage

Durability

5yr

Finish

HIGH GLOSS finish

Adhesive

Permanent

Special Features

FLAT surface

SAG 36 High-gloss Clear

Media: 1.4-mil (36 microns) PET

Adhesive: Clear, Permanent Acrylic Pressure-sensitive

Liner: 1.7-mil PET

Features and Benefits:

- Developed to protect graphics from vandalism
- Increase the impact resistance of windows
- UV Protection built in

Typical Uses:

- Private and public transportation vehicles

Use with:

- IMAGin® Series pgs 8-21
- REBEL® Series pgs 24-28
- Direct-to-glass

PermaGard®

Physical Properties	Typical Values
Thickness , inches (µm) Film plus adhesive	0.0023 (60)
Quick Tack on SS , lb./in2 (N/25mm)	3.2 (14)
Peel Adhesion , lb/in. (N/25 mm) Stainless Steel	- 20 min. 2.5 (11) -24 hr 3.2 (14)
Adhesive PH	Neutral
Temperature Ranges	
Application:	50°F to 104° F (10°C to 40°C) for best results
End Use:	-40° to 194° F (-40° to 90°C)
Shelf Life: Two years when stored at 75°F (24°C) and 50% relative humidity or less. Note: Mactac recommends the rolls be stored on end or suspended from the core.	

Stock No.	Roll Width x Length	Weight: Pounds
CYSAG36328	60" x 328'	48



NEW!

vehicles windows signage

Durability

3yr

Finish

HIGH GLOSS finish

Adhesive

Permanent

Special Features

FLAT surface

SAG 53 High-gloss Clear

Media: 2.0-mil (53 microns) Hard-Coated PET

Adhesive: Clear, Permanent Acrylic Pressure-sensitive

Liner: 78# White Kraft

Features and Benefits:

- Developed to protect graphic images, private or public transport vehicles and areas (trains, subways, tramways, buses) that require a graffiti protection.
- Increase the impact resistance of windows
- Solvent resistant so graffiti can be easily cleaned using most commercially available graffiti cleaners without damaging the graphic.
- Do not directly applied on the vehicles but first laminated to a pressure-sensitive print media.
- Wets out over UV ink jet prints
- UV Protection built in

Typical Uses:

- Private and public transportation vehicles
- Signage

Use with:

- IMAGin Series pgs 8-21
- REBEL Series pgs 24-28

PermaGard®

Physical Properties	Typical Values
Thickness , inches (µm) Film plus adhesive	0.003 (76)
Quick Tack on SS , lb./in2 (N/25mm)	3.2 (14)
Peel Adhesion , lb/in. (N/25 mm) Stainless Steel	- 20 min. 3.6 (16) -24 hr 4.5 (20)
Adhesive PH	Neutral
Temperature Ranges	
Application:	50°F to 104° F (10°C to 40°C) for best results
End Use:	-40° to 194° F (-40° to 90°C)
Shelf Life: Two years when stored at 75°F (24°C) and 50% relative humidity or less. Note: Mactac recommends the rolls be stored on end or suspended from the core.	

Stock No.	Roll Width x Length	Weight: Pounds
SAG53W54L150	54" x 150'	36

SAG 175 High-gloss Clear

Media: 6.9-mil (175 microns) Hard-Coated PET

Adhesive: Clear, Permanent Acrylic Pressure-sensitive

Liner: 1.4-mil PET

PermaGard®

Features and Benefits:

- Designed to protect glass on private or public fleets such as trains, subways, trams, buses, etc.
- Protects the glass against scratches made by sharp tools such as ceramics, diamonds, keys, screwdrivers, etc.
- Perfect clarity and vision through glass.
- Increase the impact resistance of windows
- Solvent resistant so graffiti can be easily cleaned using most commercially available graffiti cleaners without damaging the graphic..
- UV Protection built in

Typical Uses:

- Private and public transportation vehicles

Use with:

- IMAGin® Series pgs 8-21
- REBEL® Series pgs 24-28
- Direct-to-glass

Physical Properties	Typical Values
Thickness , inches (µm) Film plus adhesive	0.0078 (20)
Quick Tack on SS , lb./in2 (N/25mm)	3.2 (14)
Peel Adhesion , lb/in. (N/25 mm) Stainless Steel	- 20 min. 1.8 (8) -24 hr 2.0 (9)
Adhesive PH	Neutral
Temperature Ranges	
Application:	50°F to 104° F (10°C to 40°C) for best results
End Use:	-22° to 160° F (-30° to 70°C)
Shelf Life: Two years when stored at 75°F (24°C) and 50% relative humidity or less. Note: Mactac recommends the rolls be stored on end or suspended from the core.	

Stock No.	Roll Width x Length	Weight: Pounds
CVSAG175	48" x 82'	30
CYSAG175	60" x 82'	35



vehicles

windows

signage

Durability

Finish

Adhesive

Special Features

10 yr

HIGH GLOSS finish

Permanent

FLAT surface

UV



walls

windows

signage

Durability

3yr

Finish

optically CLEAR

Adhesive

Permanent

Special Features

pH neutral

FLAT surface

PUV2100 Optically Clear

Media: Mounting Film

Adhesive: Double-Coated Clear Acrylic

Liner: Two Clear 1.5- mil PET Release Liners

Features and Benefits:

- Industry's best clarity
- UV inhibitors reduce color fade
- Aggressive solvent acrylic adhesive
- Clear liners for inspection of product before lamination

Typical Uses:

- Face mounting of graphic images for back-lit or optically clear applications, transparencies and when super smoothness is required

PermaTrans®

Physical Properties	Typical Values
Thickness , inches (µm)	
Adhesive	0.0035 (132)
Total product	0.0065 (190)
Quick Tack on SS , lb./in2	5.0 (22)
Shear , hours to fail - Stainless Steel	150
Peel Adhesion , lb/in. (N/25 mm)	
Stainless Steel - 30 min.	3.5 (13)
White Light Transmission , %	98
Adhesive PH	Neutral
Temperature Ranges	
Application:	50° to 120° F (10° to 49°C) for best results
End Use:	-20° to 200° F (-29° to 93°C)
Shelf Life:	
Two years when stored at 75°F (24°C) and 50% relative humidity or less. Note: Mactac recommends the rolls be stored on end or suspended from the core.	

Stock No.	Roll Width x Length	Weight: Pounds
PUV2141W41L150	41" x 150'	39
PUV2151W51L150	51" x 150'	48
PUV2151W51L265	51" x 265'	69
PUV2160W60L150	60" x 150'	58



NEW!

walls

windows

signage

Durability

3yr

Finish

optically CLEAR

Adhesive

Permanent

Removable

Special Features

pH neutral

FLAT surface

CT2500 Clear

Media: 2.0-mil Polyester Film

Adhesive: Aggressive Permanent Clear Acrylic | Unique Removable Self-Wetting Clear Silicone Pressure-sensitive

Liner: 2.0 -mil Clear PET Liner | Smooth White Film Liner

Features and Benefits:

- Coated two sides, one with aggressive permanent adhesive and other with removable self-wetting silicone adhesive
- Removable side wound out for ease of application
- Indoor and outdoor applications

Typical Uses:

- Face-mounting graphic images to glass windows, Plexiglas® or other transparent substrates

ColorTrans™

TRANSPARENCY MOUNTING FILMS

Physical Properties	Typical Values
Thickness , inches (µm)	
Carrier plus adhesive	
Quick Tack , lb./in2	Perm / Rem
Glass	
Shear , hours to fail - Stainless Steel	
Peel Adhesion , lb/in.	
Stainless Steel - permanent	
- removable	
Adhesive PH	Neutral
Temperature Ranges	
Application:	50° F (10°C) for best results
End Use:	-40° to 185° F (-40° to 85°C)
Shelf Life:	
Two years when stored at 75°F (24°C) and 50% relative humidity or less. Note: Mactac recommends the rolls be stored on end or suspended from the core.	

Stock No.	Roll Width x Length	Weight: Pounds
CT2554W54L150	54" x 150'	38

CT2200 Optically Clear

Media: Film

Adhesive: One Side Optically Clear Acrylic
Permanent | One Side Optically Clear Removable

Liner: Polyester Release Liner | Polyester Release Liner

ColorTrans™
TRANSPARENCY MOUNTING FILMS

Features and Benefits:

- Optically-clear permanent/removable mounting film
- 100% Chlorine, vinyl and phthalate-free
- Non-water whitening for wet application

Typical Uses:

- Light boxes/back-lits
- Face-mounting graphic images
- Removable indoor and outdoor window signage
- Point-of-purchase displays
- Flat and slightly curved surfaces

Physical Properties	Typical Values
Thickness , inches (µm) Carrier plus adhesive	0.0067
Quick Tack , lb./in2 Glass	Perm / Rem 2.8 / 2.5
Shear , hours to fail - Stainless Steel	
Peel Adhesion , lb/in. Stainless Steel	- permanent 4.0 - removable 1.2
Adhesive PH	Neutral
Temperature Ranges	
Application:	50° F (10°C) for best results
End Use:	-40° to 185° F (-40° to 85°C)
Shelf Life: Two years when stored at 75°F (24°C) and 50% relative humidity or less. Note: Mactac recommends the rolls be stored on end or suspended from the core.	

Stock No.	Roll Width x Length	Weight: Pounds
CT2241L150	41" x 150'	32
CT2251L150	51" x 150'	35
CT2254L150	54" x 150'	38
CT2261L150	61" x 150'	41



Durability

2
yr

Finish

optically
CLEAR

Adhesive

Permanent Removable

Special Features

pH
neutral

FLAT
surface



walls

signage

Durability

3yr

Finish

opaque

Adhesive

Permanent

Special Features

PHOTO

pH

FLAT

graphics

neutral

surface



walls

signage

Durability

3yr

Finish

CLEAR

Adhesive

Permanent

Special Features

PHOTO

pH

FLAT

graphics

neutral

surface

IP5000 Opaque White

Media: Thin Plastic Film

Adhesive: Coated Both Sides with Acrylic Pressure-sensitive

Liner: Single Release Liner

Features and Benefits:

- One paper release liner allows for fast lamination

Typical Uses:

- Mounting of images to black gator, Sintra® and other typical mounting substrates

PermaPrint®

Physical Properties	Typical Values
Thickness , inches (µm) Carrier plus adhesive	0.0038 (90)
Quick Tack on SS , lb./in2	4.0 (17.5)
Shear , hours to fail - Stainless Steel	150
Peel Adhesion , lb/in. Stainless Steel	- 30 min. 4.5 (19) - 24 hr 5.0 (22)
Adhesive PH	Neutral
Temperature Ranges	
Application:	50° to 120° F (10° to 49°C) for best results
End Use:	-20° to 200° F (-29° to 93°C)
Shelf Life:	
Two years when stored at 75°F (24°C) and 50% relative humidity or less. Note: Mactac recommends the rolls be stored on end or suspended from the core.	

Stock No.	Roll Width x Length	Weight: Pounds
IP5015	25" x 150'	15
IP5007	37" x 150'	20
IP5002	51" x 150'	29
IP5008	38" x 150'	21
IP5001	51" x 400'	64
IP5040	60.25" x 150'	33

PP2011 Clear

Media: Thin Polyester Film

Adhesive: Coated Both Sides with Acrylic Pressure-sensitive

Liner: White, Moisture-stable, Single Release Liner

Features and Benefits:

- Low initial tack allows for easy fixing of mistakes
- One release liner for faster laminating

Typical Uses:

- General purpose mounting to substrates such as Fome-core®, Gator® board, Cresnet® board, Masonite® and Sintra®

PermaPrint®

Physical Properties	Typical Values
Thickness , inches (µm) Carrier plus adhesive	0.0024 (60)
Quick Tack , lb./in2 Glass	side 1/side 2 2.1/3.0 (9/13)
Shear , hours to fail - Stainless Steel	>1000
Peel Adhesion , lb/in. Stainless Steel	- 30 min. 1.8/2.3 (8/10) - 24 hr 2.5/3.4 (11/15)
Adhesive PH	Neutral
Temperature Ranges	
Application:	40° to 120° F (5° to 49°C) for best results
End Use:	-20° to 212° F (-29° to 100°C)
Shelf Life:	
Two years when stored at 75°F (24°C) and 50% relative humidity or less. Note: Mactac recommends the rolls be stored on end or suspended from the core.	

Stock No.	Roll Width x Length	Weight: Pounds
IP2013	79" x 164'	67
PP3316164	60.2" x 164'	30
PP3315164	51.1" x 164'	26
PP3314164	40.9" x 164'	21

High-Performance, Intermediate & Economy Back Mounting Films

PERMACOLOR®

PP5000 Opaque White

Media: Thin Polypropylene Film

Adhesive: Coated Both Sides Aggressive Rubber-Based Pressure-sensitive

Liner: White, Polycoated Coated Two-Sides, Moisture Stable Paper Liner

Features and Benefits:

- High-tack, high-peel adhesions and high cohesive strength for quick adhesion
- Good for low energy surfaces such as Sintra®, plastic and styrene

Typical Uses:

- General purpose mounting of digital images
- Roll laminators

PERMACOLOR®
GEMINI XT™

Physical Properties	Typical Values
Thickness , inches (μm) Carrier plus adhesive	0.005 (127)
Quick Tack on SS , lb./in2 (N/25mm)	9.0 (39)
Shear , hours to fail - Stainless Steel	600+
Peel Adhesion , lb/in. (N/25 mm)	
Stainless Steel	- 30 min. 11 (50)
Acrylic Panels	- 30 min. 12 (45)
Sinatra Board	- 30 min. 4.5 (19)
Digital Film	- 30 min. 6.3 (28)
Digital Paper	- 30 min. 5.3 (24)
Adhesive PH	Neutral
Temperature Ranges	
Application:	>50° (10°C) for best results
End Use:	-20° to 195° F (-30° to 90°C)
Shelf Life:	Two years when stored at 75°F (24°C) and 50% relative humidity or less. Note: Mactac recommends the rolls be stored on end or suspended from the core.

Stock No. PP5000	Roll Width x Length	Weight:
PP5051L150	51" x 150'	24
PP5051L400	51" x 400'	65
PP5054L150	54" x 150'	26
PP5054L400	54" x 400'	68
PP5061L400	61" x 150'	



walls

signage

Durability

3 yr

Finish

Adhesive

Permanent

Special Features

PHOTO graphics

FLAT surface

PP5600 Clear

Media: Thin Polyester Film

Adhesive: Coated Both Sides Aggressive Rubber-Based Pressure-sensitive

Liner: White, Polycoated Coated Two-Sides, Moisture Stable Paper Liner

Features and Benefits:

- High-tack, high peel adhesions and high cohesive strength for quick adhesion
- Good for low energy surfaces such as Sintra, plastic and styrene

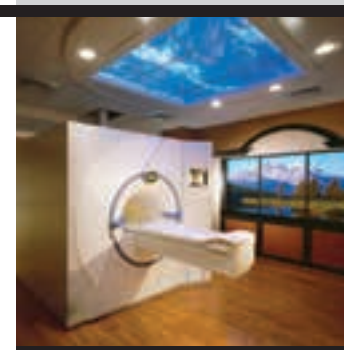
Typical Uses:

- General purpose mounting of digital images
- Roll laminator

PERMACOLOR®
GEMINI XT™

Physical Properties	Typical Values
Thickness , inches (μm) Carrier plus adhesive	0.005 (127)
Quick Tack on SS , lb./in2 (N/25mm)	9.0 (39)
Shear , hours to fail - Stainless Steel	600+
Peel Adhesion , lb/in. (N/25 mm)	
Stainless Steel	- 30 min. 11 (50)
Acrylic Panels	- 30 min. 12 (45)
Sinatra Board	- 30 min. 4.5 (19)
Digital Film	- 30 min. 6.3 (28)
Digital Paper	- 30 min. 5.3 (24)
Adhesive PH	Neutral
Temperature Ranges	
Application:	>50° (10°C) for best results
End Use:	-20° to 195° F (-30° to 90°C)
Shelf Life:	Two years when stored at 75°F (24°C) and 50% relative humidity or less. Note: Mactac recommends the rolls be stored on end or suspended from the core.

Stock No. PP5600	Roll Width x Length	Weight:
PP5642L150	42" x 150'	20
PP5651L150	51" x 150'	24
PP5651L400	51" x 400'	65
PP5654L150	54" x 150'	26
PP5654L400	54" x 400'	68



walls

signage

Durability

3 yr

Finish

Adhesive

Permanent

Special Features

PHOTO graphics

FLAT surface

Thermal Overlaminates

TL2000 Clear High-gloss

Media: 3.0-mil | 5.0-mil PET Films

Adhesive: Heat-Activated Polymeric

Features and Benefits:

- Enhances image to provide more vibrant colors
- UV inhibitors protect image from color fade
- Protects from moisture
- Thicker products provide maximum protection

Typical Uses:

- Retail displays
- Point-of-Purchase / Point-of-Sale
- Image protection

THERMACOLOR™

Physical Properties	Typical Values
Thickness	3-mil (1/2) 5-mil (3/2)
Roll Wind	Adhesive In
Adhesive PH	7.0
Core Size	3" I.D.
Heat Seal Initiation Temperature	180°F (82°C)
Shelf Life: Two years when stored at 75°F (24°C) and 50% relative humidity or less. Note: Mactac recommends the rolls be stored on end or suspended from the core.	

Stock No.	Roll Width x Length	Weight: Pounds
3-mil		
TL2037*	33" x 500'	30
TL2035	38" x 500'	32
TL2033*	43" x 500'	35
TL2031	51" x 500'	41
5-mil		
TL2057*	33" x 250'	26
TL2055	38" x 250'	29
TL2053	43" x 250'	34
TL2051	51" x 250'	39

* Special Order sizes 15 day lead time

walls

signage

Durability

Finish

HIGH GLOSS finish

Adhesive

Permanent

Special Features

HEAT activated

UV

DIGITAL graphics

TL2100

Media: 10.0-mil Clear, Glossy PET Film

Adhesive: Heat-Activated Polymeric

Features and Benefits:

- Enhances image to provide more vibrant colors
- Protects image from UV color fade
- Protects image from moisture and abrasions

Typical Uses:

- Roll displays
- Retail displays
- Point-of-Purchase / Point-of-Sale
- Image protection
- Non pressure-sensitive graphics

THERMACOLOR™

Physical Properties	Typical Values
Thickness	10-mil (7/3)
Roll Wind	Adhesive In
Adhesive PH	7.0
Core Size	3" I.D.
Heat Seal Initiation Temperature	180°F (82°C)
Shelf Life: Two years when stored at 75°F (24°C) and 50% relative humidity or less. Note: Mactac recommends the rolls be stored on end or suspended from the core.	

Stock No.	Roll Width x Length	Weight: Pounds
TL2107*	33" x 250'	50
TL2105	38" x 250'	56
TL2103*	43" x 250'	64
TL2101	51" x 250'	75

* Special Order sizes 15 day lead time

walls

signage

Durability

Finish

HIGH GLOSS finish

Adhesive

Permanent

Special Features

HEAT activated

UV

DIGITAL graphics

TL4000 Clear Satin

Media: 3.0-mil Polyester Film

Adhesive: Heat-Activated Polymeric

Features and Benefits:

- Lends body to image for easier handling and display
- Protects image from UV light
- Enhances color while cutting back on glare

Typical Uses:

- Retail displays
- Trade show displays
- Image protection

THERMACOLOR™

Physical Properties	Typical Values
Thickness	3-mil (1/2)
Roll Wind	Adhesive In
Adhesive PH	7.0
Core Size	3" I.D.
Heat Seal Initiation Temperature	180°F (82°C)
Shelf Life: Two years when stored at 75°F (24°C) and 50% relative humidity or less. Note: Mactac recommends the rolls be stored on end or suspended from the core.	

Stock No.	Roll Width x Length	Weight: Pounds
TL4037*	33" x 500'	29
TL4035	38" x 500'	31
TL4033*	43" x 500'	34
TL4031	51" x 500'	40

* Special Order sizes 15 day lead time



walls

signage

Durability

Finish

SATIN finish

Adhesive

Permanent

Special Features

HEAT activated

UV

DIGITAL graphics

TL5600 Matte Non-Glare

Media: 3.0-mil Polyester Film

Adhesive: Heat-Activated Polymeric

Features and Benefits:

- Non-glare matte finish
- Protects image from contaminants and UV light.

Typical Uses:

- Retail displays
- Signage

THERMACOLOR™

Physical Properties	Typical Values
Thickness	3-mil (0.5/2.5)
Roll Wind	Adhesive In
Adhesive PH	7.0
Core Size	3" I.D.
Heat Seal Initiation Temperature	180°F (82°C)
Shelf Life: Two years when stored at 75°F (24°C) and 50% relative humidity or less. Note: Mactac recommends the rolls be stored on end or suspended from the core.	

Stock No.	Roll Width x Length	Weight: Pounds
TL5637*	33" x 500'	29
TL5635	38" x 500'	31
TL5633*	43" x 500'	34
TL5631	51" x 500'	40

* Special Order sizes 15 day lead time

walls

signage

Durability

Finish

MATTE finish

Adhesive

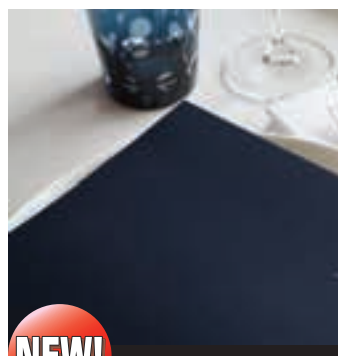
Permanent

Special Features

HEAT activated

UV

DIGITAL graphics



NEW!

walls signage

Durability

Finish **MATTE finish**

Adhesive **Permanent**

Special Features **HEAT** activated **UV** **DIGITAL** graphics

TL7030 Matte

Media: 3.0-mil EasyTouch™ Matte PET

Adhesive: Heat-Activated Polymeric

Features and Benefits:

- Hard-coated for graphic protection
- UV Light protection built-in
- Haze-free matte finish
- Stampable
- Foldable
- Glueable
- Printable

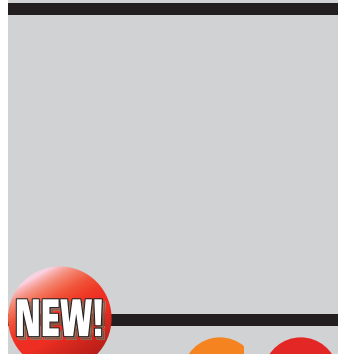
Typical Uses:

- Graphic image overlamination
- Tradeshow
- Point-of-Purchase / Point-of-Sale Displays
- Nameplates
- Book covers
- Menu finishing
- Packaging

EasyTouch[™]matte

Physical Properties	Typical Values
Thickness	3-mil (1/2)
Gloss	1.9
Adhesive PH	neutral
Core Size	3" I.D.
Heat Seal Initiation Temperature	185°-200°F (85°-94°C)
Shelf Life: Two years when stored at 75°F (24°C) and 50% relative humidity or less. Note: Mactac recommends the rolls be stored on end or suspended from the core.	

TL5000 Stock No.	Roll Width x Length	Weight: Pounds
TL7031	51" x 500'	41
TL7035	38" x 250'	16



NEW!

walls signage

Durability

Finish **MATTE finish**

Adhesive **Permanent**

Special Features **HEAT** activated **UV** **DIGITAL** graphics

TL7050 Matte

Media: 5.0-mil EasyTouch Matte PET

Adhesive: Heat-Activated Polymeric

Features and Benefits:

- Hard-coated for graphic protection
- UV Light protection built-in
- Haze-free matte finish
- Stampable
- Foldable
- Glueable
- Printable

Typical Uses:

- Graphic image overlamination
- Tradeshow
- Point-of-Purchase / Point-of-Sale Displays
- Nameplates
- Book covers
- Menu finishing
- Packaging

EasyTouch[™]matte

Physical Properties	Typical Values
Thickness	5-mil (2/3)
Gloss	1.9
Adhesive PH	neutral
Core Size	3" I.D.
Heat Seal Initiation Temperature	185°-200°F (85°-94°C)
Shelf Life: Two years when stored at 75°F (24°C) and 50% relative humidity or less. Note: Mactac recommends the rolls be stored on end or suspended from the core.	

TL5000 Stock No.	Roll Width x Length	Weight: Pounds
TL7051	51" x 500'	39
TL7055	38" x 250'	29

TL7100 Matte

Media: 10.0-mil EasyTouch™ Matte PET

Adhesive: Heat-Activated Polymeric

Features and Benefits:

- Hard-coated for graphic protection
- UV Light protection built-in
- Haze-free matte finish
- Stampable
- Foldable
- Glueable
- Printable

Typical Uses:

- Graphic image overlamination
- Tradeshow
- Point-of-Purchase / Point-of-Sale Displays
- Nameplates
- Book covers
- Menu finishing
- Packaging

EasyTouch[™]matte

Physical Properties	Typical Values
Thickness	10-mil (2/8)
Gloss	1.9
Adhesive PH	neutral
Core Size	3" I.D.
Heat Seal Initiation Temperature	185°-200°F (85°-94°C)
Shelf Life: Two years when stored at 75°F (24°C) and 50% relative humidity or less. Note: Mactac recommends the rolls be stored on end or suspended from the core.	

TL5000 Stock No.	Roll Width x Length	Weight: Pounds
TL7101	51" x 500'	75
TL7105	38" x 250'	56




Durability

Finish

MATTE finish

Adhesive

Permanent

Special Features





* Special Order sizes 15 day lead time

Technical Guides	Description
Open-Image Warranty™	Mactac's way of keeping warranty matters simple. We understand you have a large number of options available for making graphics for an ever expanding variety of applications. When it comes to making graphics with Mactac's media you are covered.
TA2010 Cutting PermaFlex®	Trimming PermaFlex® laminated images.
TA2017 Material Safety Data Sheets	MSDS Sheets for Mactac Products.
TA2032 General Surface Preparation	Surface preparation is a critical step towards successful vinyl graphic installations. This Technical Assistance Guide provides the proper procedures for cleaning and preparing various surfaces for optimized pressure-sensitive graphic applications.
TA2034 Vinyl Graphics Removal	Most vinyl graphic challenges center on application and adhesion. However, there comes a time when vinyl graphic has outlived its purpose and must be removed. This Guide contains the steps to lead you through the removal process.
TA2037 Rolling and Shipping Graphics	Mactac studies and field surveys with numerous customers using PERMACOLOR laminates in rollable graphic applications, leads Mactac to make recommendations for rolling and shipping laminated images.
TA2040 How to make Floor Graphics	The Mactac Floor Graphic System consists of performance-matched overlaminates and base films for all printing methods, as well as installation assistance. Simply answering the questions in this guide will help you select the right components for your floor graphic application and ensure a successful installation.
TA2041 Archivability	Archival or permanent pressure-sensitive paper products
TA2044 Lamination Procedures	PERMACOLOR provides fast, efficient processing through cold roll lamination techniques without the need for heat, drying or messy liquid coating operations.
TA2063 Cleaning PERMACOLOR® Laminated Images	Mactac product recommendations for CBS Outdoors.
TA2076 Outgassing Prevention	Plastic sheet pre-treatment for the reduction or elimination of out-gassing.
TA2100 Digital Printing 101	No matter what type of digital printer you have there are some basic steps to follow that will insure a quality print for every job.
TA2101 Wrap Care	Follow these recommendations made by industry experts to keep your wrap in excellent condition.
TA2102 IMAGin® RoughRAP® Installation Guide	Learn the proper way to install graphics to rough or textured surfaces to create an outstanding visual display.
TA2103 B-free® Watercraft Graphics Installation Guide	Learn the proper techniques for installing marine graphics that will last using B-free™ digital media.
TA2104 MACmark® 8900 Series Application Guide	MACal® 8900Pro is a unique intermediate film with up to 4 years outdoor life. The product can be applied at temperatures down to 32° and can be cleanly removed for up to 2 years when you follow the directions in the PDF to the left.
TA2105 Application Checklist	Mactac's new application checklists helps you make sure you cross all the T's and dot all the I's before beginning your project.
TA2106 IMAGin Deco Application Guide	Step by step directions for installing IMAGin Deco pressure-sensitive top-coated fabric for all mural applications.
TA2500 Graphics Application to Drywall	Pressure-sensitive graphics in drywall applications are difficult at best for a range of reasons. In this Technical Assistance Guide, we give recommendations for the best chance of success.
TA2501 B-free Application Guide	Our micro-structured air-egress technology provides the best opportunity for a successful application!

Guide #	Description	Guide #	Description
MAC1766	MACmark® Cut Vinyl Application Guide	MAC2808	IMAGin Wide-Format Media Quick Reference Poster
MAC2597	MACmark Marking Films Product Guide	MAC2809	MACmark Window Films
MAC2685	IMAGin® Digital Media Product Guide	MAC2631	MACmark Colors Poster
MAC2703	REBEL® Product Guide	MAC2830	PERMACOLOR Mounting Films Product Guide
MAC2705	PERMACOLOR® Product Guide	MAC2831	wallNOODLE®/ROODLE™ Product Guide
MAC2708	PERMACOLOR Floor Graphics Product Guide	MAC2842	Window Graphics Guide
MAC2719	B-free® Digital Media Product Guide	MAC2897	Marine Product Guide
MAC2805	Wall Graphics Media Product Guide	MAC2890	Decorative Graphic Solutions & Applications Guide



All of Mactac's products in one App.
Visit the App Store today!

MACmark® changes graphics from ordinary to extraordinary!

Build your business and your reputation with the complete line of **MACmark** vinyl marking films.

The **MACmark** line features a broad spectrum of colored, textured and special effect films for cut vinyl applications that range from short-term signage to long-term fleet graphics. **MACmark** vinyls exhibit excellent conformability and adhesion to difficult surfaces and can withstand high temperatures.

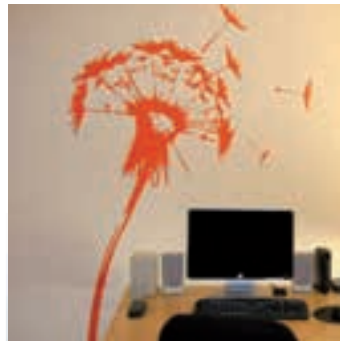


MACmark films are offered in the following categories:

- Cast High-Performance
- Calendered High-Performance
- Translucent High-Performance
- Intermediate
- Specialty

Features and Benefits:

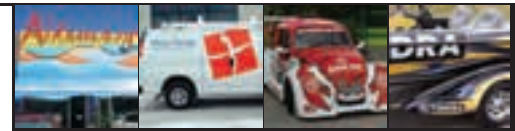
- Thermal transfer printable
- A wide variety of high-performance opaque and metallic colors
- Highly conformable over rivets, curves, and corrugations
- Superior cutting and weeding properties
- Industry's highest gloss level
- Contrast liners for easy weeding of white films



MACmark TuningFilms - Photo courtesy of Focal Photo

MACmark®

Superior cutting and weeding properties.
Contrast liners for easy and quick weeding.



Long-term
Outdoor
Advertising

Fleet Marking /
Vehicle Markings /
Decals & Striping

Full Vehicle Wraps

Marine
Markings

Product	Outdoor Durability	Thickness	Characteristics	Long-term Outdoor Advertising	Fleet Marking / Vehicle Markings / Decals & Striping	Full Vehicle Wraps	Marine Markings	
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High-Performance Marking Films

6600	Up to 8 years	2.0-mil	- Polymeric cast opaque vinyl - Permanent clear solvent acrylic adhesive 78# bleached white Kraft liner: stability and layflat	■	■	■	■	
9800PRO	Up to 7-8 years	2.6-mil	- Polymeric calendared vinyl alternative to cast - Permanent solvent acrylic adhesive 8n# bleached white Kraft liner: stability and layflat	■	■		■	
9700PRO	Up to 5-7 years	3.0-mil	- Polymeric calendared translucent vinyl - Consistent day/night color - Permanent solvent acrylic adhesive 83# bleached white Kraft line: stability and layflat	■				
TuningFilms Carbon Fiber BF	Up to 5 years	5.1-mil	- Trendy carbon fiber texture - B-free® air-egress permanent acrylic adhesive 80# polycoated layflat liner: stability and layflat	■	■		■	
TuningFilms Iridescent	Up to n-5 years	3.9-mil	- Ultra conformable cast vinyl that changes colors - Low tack high-performance acrylic adhesive 78# bleached white Kraft liner for stability and layflat	■	■	■	■	
TuningFilms Textured	Up to 5 years	8.7-mil	- Soft structured cast vinyl in black leather or silver moon finishes - Low tack high-performance acrylic adhesive 83# bleached white Kraft liner for stability and layflat	■	■		■	
TuningFilms Metal BF	Up to 5 years	5.5-mil	- Embossed polymeric vinyl looks like metal - Permanent acrylic adhesive 90# polycoated layflat liner		■		■	
TuningFilms Sublime BF	Up to 7-8 years	3.4-mil	- Polymeric calendared vinyl changes vehicle color - B-free air-egress permanent acrylic adhesive 83# bleached white Kraft liner for stability and layflat	■	■	■	■	
TuningFilms 800 BF Stellar	Up to 5 years	4.7-mil	- Sparkling double layer cast vinyl - B-free air-egress permanent acrylic adhesive 90# polycoated layflat liner		■	■	■	

Intermediate Marking Films

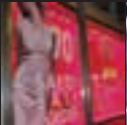
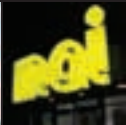
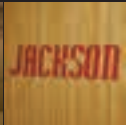
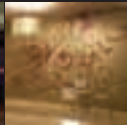
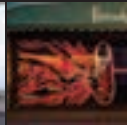
8900PRO	Up to 4 years outdoor; 5 years indoor	2.8-mil	- Calendared vinyl - Adhesive removes cleanly up to 2 years from most surfaces 83# bleached white Kraft liner: stability and layflat					
8300PRO	Up to 4-5 years	2.8-mil	- Highest gloss in the industry - Permanent solvent acrylic adhesive 83# bleached white Kraft liner for stability and layflat		■			
700 Décor	Up to 5 years	3.0-mil	- Polymeric translucent color vinyl - Consistent day/night color - Permanent transparent solvent acrylic adhesive 83# bleached white Kraft liner: stability and layflat					
MACcrystal® 8400	Up to 3 years	3.0-mil	- Glossy translucent vinyl with color uniformity - Permanent transparent acrylic adhesive 83# bleached white Kraft liner: stability and layflat					

Specialty Films

5700	5-7 Years	6.0-mil	- Reflective polymeric film with excellent night and day visibility - White high strength permanent acrylic adhesive 92# White polycoated lay flat liner	■	■		■	
6700	5 Years	3.0-mil	- Polymeric sparkle metallic cast vinyl - Ultra conformability on complex curves - Permanent solvent acrylic adhesive	■	■		■	
6800	Up to 6 months	2.0-mil	- Eye catching color polymeric cast vinyl - Permanent solvent acrylic adhesive 78# Bleached white Kraft liner: stability and layflat					
Mactac wallCHALKER™	Up to 4 Years	4.7-mil	- Semi-rigid chalkable vinyl - Aggressive removable adhesive removes cleanly up to 2 years from most surfaces 83# Kraft Layflat liner	■				

Recommended Application Tapes:

MACtransfer 210 with medium tack adhesive for medium to large decals,
MACtransfer 220 with high-tack adhesive for small letter and fine lines and
MACtransfer 230 clear with medium-tack adhesive for medium to large decals.

												Recommended Surfaces		
	Interior Glass Partitions & Windows	Exterior Windows	Wall Design	Wall Words	Logo & Signs	Back-lit Signs	Awnings	point-of-purchase Promotional Signage	Banners	Additional Applications	Flat or Curved	Complex Curves	Rivets	
		■			■						■	■	■	
		■	■		■			■			■		■	
	■	■				■	■			• Thermoforming	■			
					■			■		• Electronics • Vehicle Interiors	■			
			■		■			■	■	• Electronics • Vehicle Interiors • Décor	■	■	■	
			■		■			■	■	• Racing Stripes • Electronics • Vehicle Interiors	■			
		■			■			■		• Racing Stripes • Electronics • Vehicle Interiors	■			
					■			■		• Racing Stripes	■			
					■			■		• Racing Stripes	■	■	■	
	■		■	■	■			■		• Indoor Floor Graphics*	■			
	■	■	■	■	■			■ Flat Surfaces	■	• Display Graphics • Floor Graphics*	■			
	■	■						■		• Privacy Accents	■			
	■	■			■						■			
			■		■			■			■	■	■	
					■			■			■	■		
	■				■	■		■			■	■	■	
			■		■			■		• Table tops and other flat surfaces	■			

* For correct ASTM C-1028 Laminate see MAC2705 PERMACOLOR® Floor Guide



Durability

8
yr

Finish

GLOSS
finish

Adhesive

Permanent

Special Features



6600 Cast Vinyl

Media: 2.0-mil Cast Vinyl

Adhesive: Clear, High-Performance Solvent Acrylic

Liner: 78# Bleached Kraft Layflat Liner

Features and Benefits:

- Excellent conformability to corrugated and riveted surfaces
- Up to eight years outdoor durability, five years for metallic colors
- Superior cutting and weeding

Typical Uses:

- Full vehicle wrap
- Fleet marking with rivets and irregular surfaces
- Watercraft (Above waterline, One year durability)
- Long-term outdoor advertising
- Decorative panels
- Logos and signs
- Exterior window graphics

Physical Properties	Typical Values
Thickness , inches (µm) Film plus adhesive	0.0032 (81)
Dimensional Stability (shrinkage) , % 48 hours @ 158°F (70°C) bonded aluminum	<0.2
Peel Adhesion , lb/in. (N/25 mm) Stainless Steel - 30 min. - 24 hr	4.0 (17) 5.0 (22)
Face Material Data , 68°F (20°C) Tensile strength lb/in. (N/m) Elongation %	>9.5 (0.97) >100%
Temperature Ranges Application: End Use:	40° to 104°F (5° to 40°C) -40° to 194° F (-40° to 90°C)
Shelf Life:	Two years when stored between 60-80°F (15-25°C) and 50% RH or less.
Stock No. CV	Roll Width x Length 48" x 150'
	Weight: Pounds 42

Matte White 6628-00	> Brick Red Metallic 6659-28	Banana Yellow 6609-09	> Medium Red 6659-00
Matte Black 6688-00	> Silver Metallic 6669-00	Dark Yellow 6609-10	Cardinal Red 6659-01
Gloss White 6629-00	Smoke Metallic 6669-01	> Imitation Gold 6609-20	Tomato Red 6659-04
Gloss Black 6689-00	Charcoal Metallic 6669-02	> Oyster 6629-03	Burgundy 6659-14
Powder Blue Metallic 6639-02	> Dark Charcoal Metallic 6669-04	Intense Blue 6639-04	> Regal Red 6659-16
> Demin Blue Metallic 6639-08	Gold Metallic 6679-00	Peacock Blue 6639-07	Brown 6683-03
> Ice Blue Metallic 6639-18	> Bright Gold Metallic 6679-01	Olympic Blue 6639-10	Light Gray 6689-03
> Sapphire Blue Metallic 6639-20	Light Gold Metallic 6679-03	Vivid Blue 6639-11	Pewter 6689-04
> Pine Green Metallic 6649-10	Gingersnap Metallic 6683-05	> Violet 6639-13	Traffic Gray 6689-05
> Medium Green Metallic 6649-14	Bronze Metallic 6683-06	Light Navy 6639-23	Gray 6689-02
> Celery Green Metallic 6649-18	> Taupe Metallic 6683-11	> Sapphire Blue 6639-25	Palm Oyster 6689-07
> Dark Teal Metallic 6649-26	> Black Metallic 6689-01	> Dark Green 6649-00	
> Fire Red Metallic 6659-18	Clear 6699-00	> Deep Green 6649-02	>SPECIAL ORDER COLOR
> Shocking Pink Metallic 6659-21	Bright Orange 6601-05	Bright Green 6649-08	

6600 Custom Color Match Program

How to request a custom color match:

- Ask your Mactac® sales rep for a Color Match form.
- Complete and send in the form along with your color sample or PMS color match.
- Mactac will match the color and send you a custom sample, along with an approval form.

How to place a custom color order:

- Sign the custom color approval form and return as directed, with the custom sample.
- Provide a purchase order (6000 sq. ft. minimum order).
- Provide a forecast for future order quantities.

Features and benefits:

- Infinite amount of colors
- Choice of gloss, matte and metallic finishes for vivid colors and contrasts
- Mactac performance Open-Image WarrantySM
- 6000 sq. ft. minimum
- Color match returned within 10 days for customer approval
- Only two weeks to manufacture color after approval
- Available up to 60" wide
- Up to eight years outdoor durability, five years - metallics
- Top quality adhesive performance
- Less shrinkage than industry standard

Orange 6601-04	Plum 6639-16	> Real Teal 6649-15	Orchid 6659-08	Gloss White 6629-00
> Tangerine 6601-06	Dark Blue 6639-19	Seafoam Green 6649-16	Blossom 6659-09	Gloss Black 6689-00
> Yellow 6609-00	Scandinavian Blue 6639-21	Teal 6649-17	Warm Red 6659-10	
Butter 6609-05	> Dark Navy Blue 6639-28	> Spectra Everglade 6649-19	Vivid Red 6659-11	
Almond 6629-04	Polo Green 6649-01	Medieval Wine 6659-02	Spectra Red 6659-12	
Nautical Blue 6639-00	Shamrock Green 6649-05	> New Tomato Red 6659-03	Cocoa 6683-04	
> Spring Blue 6639-05	> Lime Green 6649-07	Burgundy Maroon 6659-05	> Buckskin 6683-09	
Lavender > 6639-14	Kelly Green 6649-09	Fire Red 6659-06		
Shadow Blue 6639-15	Apple Green 6649-12	Raspberry 6659-07	>SPECIAL ORDER COLOR	

Note: Colors shown may vary due the printing process. Call for a 6600 Series Color Card (MAC2758) for actual colors.





windows

walls

signage

Durability

8yr

Finish

HIGH GLOSS finish

Adhesive

Permanent

Special Features

rivets CURVED surface

9800PRO High-gloss | 9800PRO-SL Luminous

Media: 2.6-mil Cadmium-Free Calendered Vinyl

Adhesive: Clear, High-Performance Solvent Acrylic

Liner: 83# Bleached White Kraft Liner

Features and Benefits:

- Significant cost savings over cast vinyl
- Up to seven years outdoor durability, eight years for black and white and five years for metallic colors
- Superior thermal transfer surface
- Superior cutting and weeding

Typical Uses:

- Long-term outdoor advertising
- Fleet marking over simple curves, rivets and corrugations
- Watercraft
- Window graphics
- Decorative panels
- Logos and signs

Physical Properties	Typical Values
Thickness , inches (µm) Film plus adhesive	0.0037 (85) 0.0039 (100)
Dimensional Stability (shrinkage) , % 48 hours @ 158°F (70°C) bonded aluminum	<0.1
Peel Adhesion , lb/in. (N/25 mm) Stainless Steel - 20 min. - 1 week	4.0 (16) 4.6 (20)
Face Material Data , 68°F (20°C) Tensile strength lb/in. (N/m) Elongation %	>9.8 (27) >150%
Temperature Ranges Application: End Use:	45° to 104°F (8° to 40°C) -40° to 194° F (-40° to 90°C)
Flammability , Self-extinguishing Sample mounted on aluminum	ISO 3795
Shelf Life: Two years when stored between 60-80°F (15-25°C) and 50% RH or less.	

Stock No.	Roll Width x Length	Weight: Pounds
CV	48" x 164'	42
CY	60" x 164'	53

Gloss White
9829-00P



Beige
9829-01P



Medium Blue
9839-24P



Medium Red
9859-00P



Silver
9869-00P



Luminous Yellow
9807-00P



Gloss Black
9889-00P



Ivory
9829-05P



Reflex Blue
9839-26P



Tomato Red
9859-46P



Gold
9879-00P



Luminous Orange
9807-07P



Matte White
9828-00P



Light Blue
9839-07P



Turquoise Green
9849-15P



Burgundy
9859-05P



Dark Brown
9883-04P



Luminous Cyan
9837-00P



Matte Black
9888-00P



Sky Blue
9839-10P



Petrol
9849-17P



Panther Rose
9859-08P



Fawn Brown
9883-06P



Luminous Blue
9837-01P



Clear
9899-00P



Vivid Blue
9839-11P



Dark Green
9849-51P



Cyclamen
9859-09P



Charcoal
9889-01P



Luminous Green
9847-00P



Orange
9801-40P



Ultramarine Blue
9839-12P



Medium Green
9849-10P



Poppy Red
9859-10P



Dark Gray
9889-02P



Luminous Red
9857-00P



Dark Yellow
9809-45P



Violet
9839-13P



Light Green
9849-52P



Dark Red
9859-12P



Light Gray
9889-03P



Lemon Yellow
9809-06P



Dark Blue
9839-19P



Apple Green
9849-13P



Wine Red
9859-41P



Pearl Gray
9889-04P



Banana Yellow
9809-46P



Pastel Blue
9839-20P



Grass Green
9849-55P



Regal Red
9859-42P



Traffic Gray
9889-05P



Orange Yellow
9809-47P



Sea Blue
9839-22P



Bottle Green
9849-21P



Vivid Red
9859-47P



Saffron
9809-11P



Scandinavian Blue
9839-23P



Note: Colors shown may vary due the printing process. Call for a 9800PRO Series Color Card (MAC2760) for actual colors.

9700PRO Matte Translucent

Media: 3.0-mil Cadmium-Free Vinyl

Adhesive: Permanent

Liner: 83# Bleached White Kraft Liner

Features and Benefits:

- Ultimate color consistency and uniformity
- Bright, vibrant colors
- Used in creating thermal formed signs
- 5-7 Years outdoor and indoor durability
- Durable permanent adhesive with excellent wet-out for superior clarity

Typical Uses:

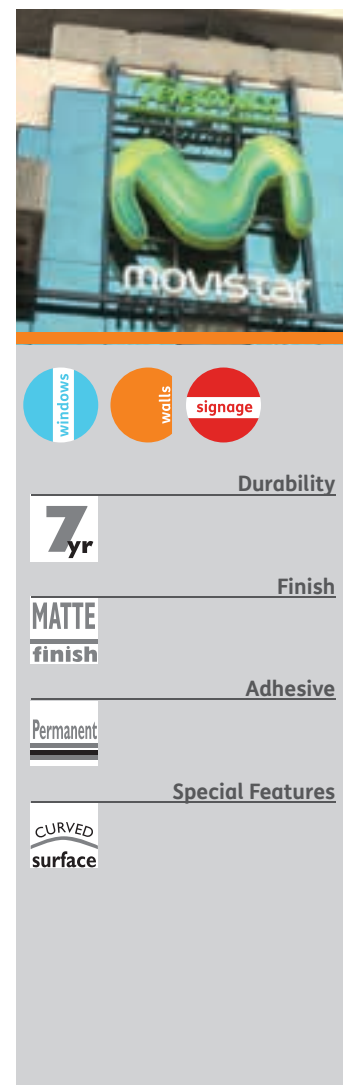
- Back-lit signs
- Awnings
- Windows
- Thermoform signs

Physical Properties	Typical Values
Thickness , inches (µm) Film plus adhesive	0.0045 (115)
Dimensional Stability (shrinkage) , % 48 hours @ 158°F (70°C) bonded aluminum	<0.02
Peel Adhesion , lb/in. (N/25 mm) Stainless Steel	- 20 min. 4.6 (20) - 1 week 5.5 (24)
Face Material Data , 68°F (20°C) Tensile strength lb/in. (N/m) Elongation %	>10 (28) >180%
Temperature Ranges Application: 50° to 104°F (10° to 40°C) End Use: -40° to 194° F (-40° to 90°C)	
Flammability , Self-extinguishing	ISO 3795
Shelf Life: Two years when stored between 60-80°F (15-25°C) and 50% RH or less.	

Stock No.	Roll Width x Length	Weight: Pounds
CV	48" x 164'	42

Orange 9702-06	Blue 9738-00	Sea Blue 9738-06	Turquoise 9748-03	Poppy Red 9758-04
Yellow 9708-07	Signal Blue 9738-01	Sultan Blue 9738-07	Bottle Green 9748-04	Tomato Red 9758-06
Lemon Yellow 9708-01	Night Blue 9738-02	European Blue 9738-08	Red 9758-00	Silver 9768-00
Signal Yellow 9708-02	Ultramarine Blue 9738-03	Green 9748-00	Vivid Red 9758-01	Gold 9778-00
Sunflower 9708-08	Light Blue 9738-04	Mint Green 9748-01	Burgundy 9758-02	Black 9788-00
White 9728-00	Caribbean Blue 9738-05	Yellow Green 9748-02	Cyclamen 9758-03	Gray 9788-01

Note: Colors shown may vary due to catalog printing process. **Call for a 9700PRO Color Card (MAC2762) for actual color swatches.**



Light Diffusers and Light Stop

Media: Translucent

Adhesive: Permanent

Liner: 83# Bleached White Kraft Liner

Features and Benefits:

- 30% Diffuser 70% opacity
- 60% Diffuser 40% opacity
- Light Stop 100% opacity

Typical Uses:

- Homogenous light diffusion from light boxes
- Create different shades of color for nighttime illumination
- Special day/night effects with Light Stop

Stock No.	Roll Width x Length	Weight: Pounds
CV	48" x 164'	42

Physical Properties	Typical Values Light Diffusers	Typical Values Pro Light Stop
Opacity , % TAPPI-425	9798-30PRO 30% 9798-60PRO 60%	9722-00PRO 100%
Thickness , inches (µm) Film plus adhesive	.0045 (115)	.0069 (175)
Dimensional Stability (shrinkage) inches (mm) 48hours@ 158°F (70°C) bonded to aluminum	<0.02 (.508)	
Peel Adhesion lb./in.(N/25mm) Stainless Steel	30 Min - 3.5 (16) 1 Week - 4.5 (20)	
Temperature Ranges Application: 50° to 104°F (10° to 40°C) End Use: -40° to 194° F (-40° to 90°C)		
Flammability , Self-extinguishing	ISO 3795	
Shelf Life: Two years when stored between 60-80°F (15-25°C) and 50% RH or less.		



Carbon Fiber BF

Media: 5.1-mil Textured, Cadmium-Free Polymeric Vinyl

Adhesive: Air-egress, Micro-structured, Permanent Acrylic

Liner: 80# Polycoated Layflat Liner

Features and Benefits:

- Realistic carbon fiber effect on any smooth curved or flat surface
- Applies over rivets
- Resistant to most oils, grease, fuel, salts
- Up to five years outdoor durability
- B-free® air-egress adhesive for quick and quick bubble-free installation

Typical Uses:

- Exterior vehicle decoration/personalization
- Trim accent on consoles, dash on vehicle interior
- Watercraft
- Customization of electronic equipment including:
 - Computers
 - Mobile phones
 - Tablets
 - Game console



Note: Call for a TuningFilms Color Card (MAC2866) for actual colors.



Physical Properties	Typical Values
Thickness , inches (μm) Film plus adhesive	0.0061 (130)
Dimensional Stability (shrinkage) , % 48 hours @ 158°F (70°C) bonded aluminum	<0.3
Peel Adhesion , lb/in. (N/25 mm) 180°F Stainless Steel	- 20 min. 2.8 (13) - 24 hr 3.4 (15) - 1 wk 3.7 (16)
Face Material Data , 68°F (20°C) Tensile strength lb/in. (N/15 mm) Elongation %	>12 (40) >150%
Temperature Ranges Application: 50° to 104°F (10° to 40°C) End Use: -40° to 194° F (-40° to 90°C)	
Flammability , Self-extinguishing	ISO 3795
Shelf Life: Two years when stored between 60-80°F (15-25°C) and 50% RH or less.	

Stock No.	Color	Roll Width x Length	Weight:Pounds
TF1088BF	Black	60" x 82'	35
TF1028BF	White	60" x 82'	35
TF1068BF	Silver	60" x 82'	35
TF8801BF	Graphite	60" x 82'	35

vehicles walls

Durability

5yr

Finish

TEXTURED finish

Adhesive

air egress Permanent

Special Features

CURVED surface



Iridescent - Color Changing

Media: 3.9-mil Pearl, Blue-Green & Fushia-Green, Soft Cast Vinyl

Adhesive: Air-egress, Micro-structured Permanent Acrylic

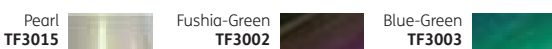
Liner: 80# Polycoated Layflat Liner

Features and Benefits:

- Conformable cast vinyl with unique finishes
- Applies over corrugated and curved surfaces
- Up to four years outdoor durability
- Repositionable, user-friendly adhesive

Typical Uses:

- Designed for full and partial vehicle wraps
- Watercraft
- Electronic equipment & furniture decoration
- Racing and rally stripes



Stock No.	Color	Roll Width x Length	Weight:Pounds
TF3002	Fushia-Green	60" x 82'	26
TF3003	Blue-Green	60" x 82'	26
TF3015	Pearl	60" x 82'	26



Physical Properties	Typical Values	
	Pearl	Fuchsia-Green & Blue-Green
Thickness , inches (μm) Film plus adhesive	0.0053 (135)	0.0053 (135)
Dimensional Stability (shrinkage) , % 48 hours @ 158°F (70°C) bonded aluminum	<0.2	<0.2
Peel Adhesion , lb/in. (N/25 mm) 180°F Stainless Steel	- 20 min. (16) - 24 hr (20) - 1 wk (25)	(14) (18) (23)
Face Material Data , 68°F (20°C) Tensile strength lb/in. (Nk/m) Elongation %	>(25) >150%	>(25) >150%
Temperature Ranges Application: 59° to 104°F (15° to 40°C) End Use: -40° to 194° F (-40° to 90°C)		
Flammability , Self-extinguishing	ISO 3795	
Shelf Life: Two years when stored between 60-80°F (15-25°C) and 50% RH or less.		

vehicles walls

Durability

4yr

Finish

TEXTURED finish

Adhesive

air egress Permanent

Special Features

rivets CURVED surface

Textured

Media: 8.7-mil Soft Cast Vinyl

Adhesive: Repositionable Transparent Acrylic

Liner: 80# Polycoated Layflat Liner

Features and Benefits:

- Black Leather for real leather appearance
- Applies over corrugated and slightly curved surfaces
- Up to five years outdoor durability

Typical Uses:

- Designed for partial vehicle wraps
- Electronic equipment & furniture decoration
- Racing and rally stripes
- Watercraft

Black Leather
TF3102



Physical Properties	Typical Values
Thickness , inches (μm) Film plus adhesive	0.0102 (260)
Dimensional Stability (shrinkage) , % 48 hours @ 158°F (70°C) bonded aluminum	<0.02
Peel Adhesion , lb/in. (N/25 mm) 180°F Stainless Steel	- 20 min. (12) - 24 hr (15) - 1 week (18)
Face Material Data , 68°F (20°C) Tensile strength lb/in. (N/15 mm) Elongation %	≥ (25) ≥ 80%
Temperature Ranges Application: End Use:	60° to 104°F (15° to 40°C) -40° to 194°F (-40° to 90°C)
Flammability , Self-extinguishing	ISO 3795
Shelf Life: Two years when stored between 60-80°F (15-25°C) and 50% RH or less.	
Stock No.	Color
Roll Width x Length	Weight: Pounds
TF3102	Black Leather
60" x 82'	29



vehicles	walls
5yr	Durability
TEXTURED finish	Finish
air egress	Adhesive
Removable	Special Features
CURVED surface	

Brushed Metals

Media: 5.5-mil Cadmium-Free Polymeric Vinyl

Adhesive: B-free® Air-egress

Liner: 90# Polycoated Layflat Liner

Features and Benefits:

- Create special effects with five different matte brushed metal colors: Black, Aluminum, Steel, Titanium and Graphite
- Up to five years outdoor durability (Steel - four years, Aluminum - two and a half years)

Typical Uses:

- Designed for full and partial vehicle wraps
- Electronic equipment & furniture decoration
- Racing and rally stripes
- Watercraft

Brushed Aluminum
TF16800BF



Brushed Steel
TF16802BF



Brushed Black
TF1800BF



Brushed Graphite
TF16803BF



Brushed Titanium
TF16801BF



Physical Properties	Typical Values
Thickness , inches (μm) Film plus adhesive	0.0071 (180)
Dimensional Stability (shrinkage) , % 48 hours @ 158°F (70°C) bonded aluminum	<0.03
Peel Adhesion , lb/in. (N/25 mm) 180°F Stainless Steel	- 20 min. (12) - 24 hr (15) - 1 week (16)
Face Material Data , 68°F (20°C) Tensile strength lb/in. (N/15 mm) Elongation %	≥ (40) ≥ 150%
Temperature Ranges Application: End Use:	50° to 104°F (10° to 40°C) -40° to 194°F (-40° to 90°C)
Flammability , Self-extinguishing	ISO 3795
Shelf Life: Two years when stored between 60-80°F (15-25°C) and 50% RH or less.	
Stock No.	Color
Roll Width x Length	Weight: Pounds
TF16800BF	Brushed Aluminum BF
TF16801BF	Brushed Titanium BF
TF16802BF	Brushed Steel BF
TF16803BF	Brushed Graphite BF
TF1800BF	Brushed Black BF
60" x 82'	30

vehicles	walls
5yr	Durability
TEXTURED finish	Finish
air egress	Adhesive
Removable	Special Features
CURVED surface	



Durability

8yr

Finish



Adhesive



Special Features



700BF Sublime

Media: 3.4-mil Cadmium-Free, Polymeric Vinyl

Adhesive: Air-egress, Micro-structured, Permanent Acrylic

Liner: 83# Bleached White Kraft Liner

Features and Benefits:

- Transform color of vehicles
- B-free® air-egress adhesive for quick and quick bubble-free installation
- Exterior color decoration
- Matte and ultra high-gloss finishes
- Matte finish provide good scratch resistance
- Highly conformable
- Up to 7-8 years outdoor durability

Typical Uses:

- Designed for full and partial vehicle wraps
- Customized vehicle wraps
- Racing and rally stripes



Physical Properties	Typical Values
Thickness , inches (µm)	
Film only	0.0334 (85)
Film plus adhesive	0.0453 (115)
Dimensional Stability (shrinkage) , %	
48 hours @ 158°F (70°C)	
bonded aluminum	<0.02
Peel Adhesion , lb/in. (N/25 mm)	
180°F Stainless Steel - 20 min.	3.7 (16)
- 24 hr	4.1 (18)
- 1 week	4.6 (20)
Face Material Data , 68°F (20°C)	
Tensile strength lb/in. (Nk/m)	≥ 9 (29)
Elongation %	≥ 150%
Temperature Ranges	
Application: 60° to 104°F (15° to 40°C)	
End Use: -40° to 194° F (-40° to 90°C)	
Flammability , Self-extinguishing	ISO 3795
Shelf Life:	Two years when stored between 60-80°F (15-25°C) and 50% RH or less.

Stock No.	Color	Roll Width x Length	Weight: Pounds
TF	All Colors	60" x 82'	26

White Gloss TF72900BF	Medium Red Matte TF75800BF	Banana Yellow Matte TF70846BF	Vivid Blue Gloss TF73911BF
Banana Yellow Gloss TF70946BF	Spicy Red Matte TF75843BF	Scandinavian Blue Matte TF73823BF	Ultramarine Blue Gloss TF73912BF
Medium Red Gloss TF75900BF	Cyclamen Matte TF75809BF	Aubergine Matte TF73838BF	Aubergine Gloss TF73938BF
Scandinavian Blue Gloss TF73923BF	Vivid Blue Matte TF73811BF	Green Yellow Matte TF74854BF	Green Yellow Gloss TF74954BF
Silver Gloss TF76900BF	Ultramarine Blue Matte TF73812BF	Silver Matte TF76800BF	Apple Green Gloss TF74913BF
Black Gloss TF78900BF	Apple Green Matte TF74813BF	Flash Orange Gloss TF70935BF	Charcoal Gloss TF78901BF
White Matte TF72800BF	Charcoal Matte TF78801BF	Spicy Red Gloss TF75943BF	
Flash Orange Matte TF70948BF	Black Matte TF78800BF	Cyclamen Gloss TF75909BF	

Stellar 800 BF

Media: 4.7-mi Double Layer Cast Vinyl

Adhesive: Micro-structured Permanent Bubble-free

Liner: 90# Polycoated Release Liner

Features and Benefits:

- B-free® air-egress adhesive for quick and quick bubble-free installation

Typical Uses:

- Designed for vehicle and boat hull (above the water line) wraps
- Furniture surfaces
- Interior decorations



Physical Properties	Typical Values
Thickness , inches (µm) Film plus adhesive	0.0059 (0.150)
Dimensional Stability (shrinkage) , % 48 hours @ 158°F (70°C) bonded aluminum	<0.15
Peel Adhesion , lb/in. (N/25 mm) 180°F Stainless Steel	- 20 min. 3.9 (17) - 24 hr 4.3 (19) - 1 week 4.8 (21)
Face Material Data , 68°F (20°C) Tensile strength lb/in. (Nk/m) Elongation %	≥ 11 (35) ≥ 150%
Temperature Ranges Application: End Use:	60° to 104°F (15° to 40°C) -40° to 194° F (-40° to 90°C)
Flammability , Self-extinguishing	ISO 3795
Shelf Life:	Two years when stored between 60-80°F (15-25°C) and 50% RH or less.

Stock No.	Color	Roll Width x Length	Weight: Pounds
TF	All Colors	60" x 82'	26

Sea Blue
TF83922BF

Black
TF88900BF

Light Orange
TF80941BF

Fushia
TF85915BF

Red
TF??

Apple Green
TF84913BF

Violet
TF83965BF

White
TF82900BF



Durability



Finish



Adhesive



Special Features



8900PRO Matte & Gloss

Media: 2.8-mil Cadmium-Free, Calendered Vinyl

Adhesive: Air-egress, Micro-structured Removable Acrylic

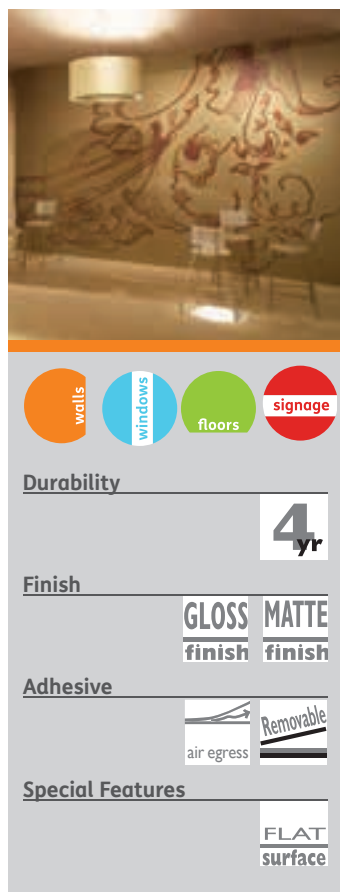
Liner: 83# Bleached White Kraft Liner

Features and Benefits:

- Includes trend setting designer colors used in environmental graphics
- Non-glare mattes for design and signage. Gloss black and white available.
- Excellent dimensional stability
- Up to five years indoors
- Outdoors black and white four years outdoors, colors three years
- Superior cutting and weeding
- Removable adhesive cleanly removes after two years from most surfaces

Typical Uses:

- Home décor and interior design
- Wall words
- Way finding
- Signs
- Window graphics
- * Floor graphics
- Point-of-purchase



Physical Properties	Typical Values
Thickness , inches (µm) Film plus adhesive	0.035 (89)
Dimensional Stability (shrinkage) , % 48 hours @ 158°F (70°C) bonded aluminum	<0.10
Peel Adhesion , lb/in. (N/25 mm) Stainless Steel - 30 min. - 1 week	0.9 (4.0) 1.7 (7.5)
Face Material Data , 68°F (20°C) Tensile strength lb/in. (kN/m) Elongation %	>11 (2.0) >150%
Temperature Ranges Application: 32° to 104°F (0° to 40°C) End Use: -40° to 158° F (-40° to 70°C)	
Flammability , Self-extinguishing	ISO 3795
Shelf Life: Two years when stored between 60-80°F (15-25°C) and 50% RH or less.	

Stock No.	Roll Width x Length	Weight: Pounds
CV	48" x 164'	42
CR	24" x 164'	21

Gloss Colors	Gloss Colors	Matte Colors	Matte Colors	Matte Colors	Matte Colors	Matte Colors
White 8929-00	Cyclamen 8959-04	White 8928-00	Red 8958-37	Matte Green 8948-29	Sky Blue 8938-04	Medium Gray 8988-15
Black 8989-00	Flame Red 8959-35	Black 8988-00	Blood Red 8958-34	Leaf Green 8948-08	Medium Blue 8938-00	Concrete Gray 8988-11
Medium Yellow 8905-24	Medium Red 8959-36	Lemon Yellow 8908-12	Medium Red 8958-33	Medium Green 8948-28	Cosmic Blue 8938-18	Pearl Gray 8988-17
Medium Blue 8939-00	Silver 8969-00	Light Yellow 8908-25	Camine Red 8958-38	Spinach Green 8948-33	Electric Blue 8938-14	Ivory 8928-18
Sky Blue 8939-04	Mouse Gray 8989-04	Yellow 8908-27	Burgundy 8958-12	Dark Green 8948-30	Violet 8938-19	Beige 8928-17
Turquoise Blue 8939-07		Buttercup 8908-26	Cyclamen 8958-04	Bahamas Blue 8938-15	Royal Blue 8938-13	Nut Brown 8982-12
Royal Blue 8939-13		Sunflower Yellow 8904-23	Green-Yellow 8948-09	Turquoise Blue 8938-07	Methylene Blue 8938-20	Chocolate Brown 8982-11
Bottle Green 8949-05		Light Orange 8908-28	Lime 8948-10	Turquoise Green 8948-13	Highway Blue 8938-02	Gold 8978-00
Dark Green 8949-30		Orange 8902-22	Spring Green 8948-31	Mint 8948-14	Cobalt Blue 8938-17	Silver 8968-00
Spring Green 8949-31		Dark Orange 8908-29	Kiwi 8948-11	Light Blue 8938-16	Graphite 8988-16	

8900 Designer Series - Matte Colors

Lagoon Blue 8938-39	Water Lily 8948-22	Oasis 8948-26	Dahlia Pink 8958-19	Antique Violet 8958-23	Sepia Brown 8982-10	Mustard 8908-20
Pastel Turquoise 8938-60	Pesto 8948-25	Baby Doll 8958-00	Magnolia 8958-21	Mocha 8982-09	Silk Grey 8988-00	Antique White 8928-16
Blue Grey 8938-61						

Note: Colors shown may vary due the printing process. Call for a 8900PRO Series Color Card (MAC2846) for actual colors.

8300PRO Gloss

Media: 2.8-mil Cadmium-Free, Calendered Vinyl

Adhesive: Permanent Acrylic

Liner: 83# Bleached White Kraft Liner

Features and Benefits:

- Highest gloss intermediate color vinyl
- Up to five years outdoors for black and white; four years colors
- Superior cutting and weeding

Typical Uses:

- Promotional signage (flat surfaces)
- Window graphics

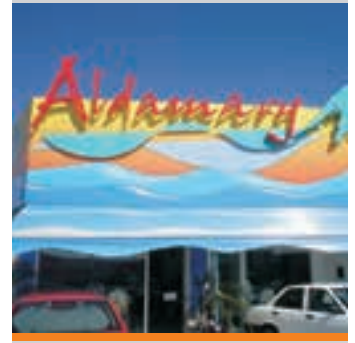
Physical Properties	Typical Values
Thickness , inches (µm) Film plus adhesive	0.037 (94)
Dimensional Stability (shrinkage) , % 48 hours @ 158°F (70°C) bonded aluminum	<0.3
Peel Adhesion , lb/in. (N/25 mm) Stainless Steel - 20 min. - 1 week	3.2 (14) 4.4 (19)
Face Material Data , 68°F (20°C) Tensile strength lb/in. (N/15 mm) Elongation %	>9.5 (25) >150%
Temperature Ranges Application: 50° to 104°F (10° to 40°C) End Use: -40° to 158° F (-40° to 70°C)	
Flammability , Self-extinguishing	ISO 3795
Shelf Life: Two years when stored between 60-80°F (15-25°C) and 50% RH or less.	

Stock No.	Roll Width x Length	Weight: Pounds
CF	30" x 164'	28
CV	48" x 164'	42
CY	60" x 164'	53

Gloss White 8329-00P	Sandstone 8329-13P	Purple Blue 8339-30P	Bottle Green 8349-05P	Chocolate Brown 8383-13P
Gloss Black 8389-00P	Light Beige 8329-14P	Lavender 8339-31P	Spring Green 8349-31P	Imitation Gold 8383-14P
Matte White 8328-00P	Almond 8329-15P	Copenhagen Blue 8339-32P	Polo Green 8349-16P	Mouse Gray 8389-04P
Matte Black 8388-00P	Medium Blue 8339-00P	Navy 8339-33P	Burgundy 8359-12P	Dark Gray 8389-18P
Silver 8369-00P	Highway Blue 8339-02P	Butterfly Blue 8339-34P	Raspberry 8359-15P	Slate Gray 8389-19P
Gold 8379-00P	Sky Blue 8339-04P	Powder Blue 8339-35P	Flame Red 8359-35P	Frosty Gray 8389-20P
Orange 8301-22P	Ocean Blue 8339-06P	Nautical Blue 8339-36P	Medium Red 8359-36P	Clear 8399-00P
Sunflower Yellow 8303-23P	Turquoise 8339-07P	Vibrant Green 8349-17P	Blood Red 8359-39P	
Medium Yellow 8305-24P	Royal Blue 8339-13P	Medium Green 8349-34P	Cyclamen 8359-04P	
Light Yellow 8309-30P	Electric Blue 8339-14P	Apple Green 8349-35P	Dark Red 8359-33P	
Apricot 8309-31P	Seafoam Green 8349-15P	Dark Green 8349-30P	Passion Red 8359-40P	

Note: Colors shown may vary due the printing process.

Call for a 8300PRO Series Color Card (MAC2761) for actual colors.



Glass Décor 700 - Frosted, Dusted & Matte

Media: 3.0-mil Cadmium-Free, Translucent Vinyl

Adhesive: Transparent, Clear Permanent

Liner: 83# Bleached White Kraft Liner

Features and Benefits:

- Significant cost savings over etching or sandblasting
- Up to five years indoor/outdoor durability
- Excellent layflat characteristics on plotter
- Durable transparent clear permanent adhesive with excellent wet-out
- Line has squared red backprinting for positioning

Typical Uses:

- Glass partition in restaurants
- Shopping malls, retail stores, offices and other places of business
- Events and trade shows
- Residential design, privacy accents without sacrificing natural light

Frosted 9798-01	Offshore Blue 73800
Dusted 9798-02	Refreshing Mint 74800
Romantic Rose 75800	Sparkling Yellow 70800
Luxurious Gold 77800	

Note: Colors shown may vary due the printing process.

Call for a Specialty Films Color Card (MAC2759) for actual colors.

Physical Properties	Typical Values
Thickness , inches (µm) Film plus adhesive	0.0045 (115)
Dimensional Stability (shrinkage) , % 48 hours @ 158°F (70°C) bonded aluminum	<0.1
Peel Adhesion , lb/in. (N/25 mm) Stainless Steel	- 30 min. 3.2 (14) - 24 hr 3.9 (17) - 1 week 4.3 (19)
Face Material Data , 68°F (20°C) Tensile strength lb/in. (N/15 mm) Elongation %	>28 >180%
Temperature Ranges Application: 50° to 104°F (10° to 40°C) End Use: -40° to 194° F (-40° to 90°C)	
Flammability , Self-extinguishing	ISO 3795
Shelf Life: Two years when stored between 60-80°F (15-25°C) and 50% RH or less.	

Stock No.	Roll Width x Length	Weight: Pounds
CV	48" x 164'	42
CY*	60" x 164'	53
* Dusted & Frosted Only		



Durability



Finish



Adhesive



Special Features



MACcrystal® 8400 Gloss Transparent

Media: 3.0-mil Vinyl

Adhesive: Clear Permanent

Liner: 83# Bleached White Kraft Liner

Features and Benefits:

- Glossy transparent vinyl
- Color uniformity day or night
- Up to three years outdoors

Typical Uses:

- Windows and glass
- Translucent illuminated signs
- Environmental graphics

Deep Yellow 8407-01		Light Green 8447-04	
Orange 8407-03		Yellow Green 8447-05	
Light Blue 8437-02		Deep Red 8457-01	
Medium Blue 8437-03		Light Red 8457-02	
Deep Blue 8437-04		Fuchsia 8457-04	
Heaven Blue 8437-05		Rose 8457-05	
Aqua 8437-06		Light Grey 8487-01	
Medium Green 8447-01		Grey 8487-02	
Leaf Green 8447-03			

Physical Properties	Typical Values
Thickness , inches (µm) Film plus adhesive	0.0042 (105)
Dimensional Stability (shrinkage) , % 48 hours @ 158°F (70°C) bonded aluminum	<0.5 (0.1.27)
Peel Adhesion , lb/in. (N/25 mm) Stainless Steel	- 30 min. 3.2 (14) - 24 hr 4.1 (18) - 1 week 4.4 (19)
Face Material Data , 68°F (20°C) Tensile strength lb/in. (N/15 mm) Elongation %	>11.0 (30) >150%
Temperature Ranges Application: 50° to 104°F (10° to 40°C) End Use: -40° to 194° F (-40° to 90°C)	
Flammability , Self-extinguishing	ISO 3795
Shelf Life: Two years when stored between 60-80°F (15-25°C) and 50% RH or less.	

Stock No.	Roll Width x Length	Weight: Pounds
CV	48" x 82'	43



Durability



Finish



Adhesive



Special Features



5700 Reflective

Media: 6.0-mil Flexible, Reflective Polymeric Film

Adhesive: Permanent Acrylic

Liner: 92# White, Polycoated LayFlat™ Liner

Features and Benefits:

- Excellent day and night visibility
- Very flexible, can be applied over rivets and corrugated surfaces
- 5-7 Year outdoor durability

Typical Uses:

- Vehicle markings
- 24 Hour-a-day eye catching identification

Physical Properties	Typical Values
Thickness , inches (µm) Film plus adhesive	0.006 (150)
Dimensional Stability (shrinkage) , % 48 hours @ 158°F (70°C) bonded aluminum	<0.3
Peel Adhesion , lb/in. (N/25 mm) Stainless Steel - 30 min. - 1 week	4.6 (20) 5.9 (26)
Face Material Data , 68°F (20°C) Tensile strength lb/in. (Nk/m) Elongation %	>8.5 (≥1.5) >100%
Temperature Ranges Application: End Use:	50° to 104°F (10° to 40°C) -4° to 194° F (-20° to 90°C)
Shelf Life:	Two years when stored between 60-80°F (15-25°C) and 50% RH or less.

Stock No.	Roll Width x Length	Weight: Pounds
CV	48" x 150'	42

White 5729-00	Yellow 5709-00	Red 5759-00	Dark Blue 5739-01
Black 5789-00	Orange 5701-00	Light Blue 5739-00	Green 5749-00

Note: Colors shown may vary due the printing process.

Call for a Specialty Films Color Card (MAC2759) for actual colors.



Durability



Finish



Adhesive



Special Features



6700 Sparkle Metallic

Media: 3.0-mil High-gloss Cadmium-Free Cast Vinyl

Adhesive: Permanent Solvent Acrylic

Liner: 78# Bleached White Kraft

Features and Benefits:

- Five year outdoor durability
- 78# Bleached white Kraft liner for good stability and layflat

Typical Uses:

- Fleet & Marine marking
- Container decals
- Equipment identification

Physical Properties	Typical Values
Thickness , inches (µm) Film plus adhesive	0.0040 (101)
Dimensional Stability (shrinkage) , % 48 hours @ 158°F (70°C) bonded aluminum	<0.2
Peel Adhesion , lb/in. (N/25 mm) Stainless Steel - 30 min. - 24 hr	2.8 (12.5) 4.0 (17.5)
Face Material Data , 68°F (20°C) Tensile strength lb/in. (N/m) Elongation %	>7.5 (1300) >80%
Temperature Ranges Application: End Use:	40° to 104°F (5° to 40°C) -50° to 225° F (-45° to 107°C)
Shelf Life: Two years when stored between 60-80°F (15-25°C) and 50% RH or less.	

Stock No.	Roll Width x Length	Weight: Pounds
CV	48" x 150'	42

Sparkle 6729-00	Topaz 6779-00	Sapphire Blue 6739-25	>Cinnabar 6759-00	Amethyst 6739-1
Light Onyx 6769-00	Colbalt Blue 6739-00	>Emerald Green 6749-00	Fire Opal 6759-06	Dk Amethyst 6759-16
Smoky Quartz 6789-00	Azurite 6739-15	Beryl 6749-15	Rose Quartz 6759-09	Aventura 6783-05

Note: Colors shown may vary due the printing process.

Call for a Specialty Films Color Card (MAC2759) for actual colors.

>SPECIAL ORDER COLOR



Durability



Finish



Adhesive



Special Features





Durability



Finish



Adhesive



Special Features



6800 Fluorescents

Media: 2.0-mil Short-term Cast Vinyl

Adhesive: Permanent Solvent Acrylic

Liner: 78# Bleached White Kraft

Features and Benefits:

- Six month outdoor durability
- Semi-gloss finish
- Flat, curved or corrugated surface installation

Typical Uses:

- Short-term indoor or outdoor applications
- Point-of-purchase.
- Display panels
- Exhibit walls
- Screen printed decals
- High-performance Racing

Physical Properties	Typical Values
Thickness , inches (µm) Film plus adhesive	0.0035 (90)
Dimensional Stability (shrinkage) , % 48 hours @ 158°F (70°C) bonded aluminum	<0.25
Peel Adhesion , lb/in. (N/25 mm) Stainless Steel - 30 min. - 24 hr	3.2 (14) 4.5 (20)
Face Material Data , 68°F (20°C) Tensile strength lb/in. (N/m) Elongation %	>8.57 (1500) >9.5 (0.97) >80%
Temperature Ranges Application: End Use:	40° to 104°F (5° to 40°C) -50° to 225° F (-45° to 107°C)
Shelf Life:	Two years when stored between 60-80°F (15-25°C) and 50% RH or less.

Stock No.	Roll Width x Length	Weight: Pounds
CV	48" x 150'	42

Fluorescent Orange 6802-00	Fluorescent Yellow 6804-00	Fluorescent Blue 6834-00	Fluorescent Green 6844-00
Fluorescent Red 6854-00	Fluorescent Pink 6856-00		

Note: Colors shown may vary due the printing process. Call for a Specialty Films Color Card (MAC2759) for actual colors.

Mactac® wallCHALKER™

Media: 4.7-mil Cadmium-Free, Semi-Rigid Vinyl

Adhesive: Aggressive Removable Acrylic

Liner: 83# Bleached White Kraft



Features and Benefits:

- Cut to unique shapes
- Easy to clean
- Aggressive removable adhesive, strong enough to support large size applications
- Cleanly removable

Typical Uses:

- Walls
- Kitchen Sign Boards
- Meeting Rooms
- Novelty Decals
- Playrooms/Children's Bedrooms
- Menu Boards
- Tables
- Point-of-Purchase

Physical Properties	Typical Values
Thickness , inches (µm) Film plus adhesive	0.0055 (140)
Dimensional Stability (shrinkage) , % 48 hours @ 158°F (70°C) bonded aluminum	<0.10
Peel Adhesion , lb/in. (N/25 mm) Stainless Steel	- 30 min. 0.91 (4.0) - 24 hr 1.16 (5.1)
Glass	- 30 min. 0.91 (4.0) - 24 hr 1.23 (5.4)
Temperature Ranges Application: 32° to 104°F (0° to 40°C) End Use: -40° to 158° F (-40° to 70°C)	
Shelf Life: Two years when stored between 60-80°F (15-25°C) and 50% RH or less.	

Stock No.	Roll Width x Length	Weight: Pounds
CB1088R24	24" x 164'	23
CB1088R48	48" x 164'	46



Durability



Finish



Adhesive



Special Features



MACtransfer® 210

Face: 4.3-mil Translucent Saturated Paper

Adhesive: Medium-tack

Features and Benefits:

- Translucent paper makes viewing graphic easy.
- Medium tack adhesive to aid in transfer of medium and large decals or graphics.

Typical Uses:

- Transfer of diecut letters and decals to final substrate
- Protection of polished surfaces

Physical Properties	Typical Values
Peel Adhesion , lb/in. (N/25 mm) Stainless Steel - 20 min.	12-14 (3.3-3.4)
Tensile , oz./in.	11.5
Elongation , %	2.5
Tear , grams	50
Thickness , mils (um)	4.3 (16)
Shelf Life: One year when stored between 60-80°F (15-25°C) and 50% RH or less.	

Stock No.	Roll Width x Length	#/Ctn	Weight: Pounds
ST1060	60" x 300'	1 Roll	32
ST1054	54" x 300'	1 Roll	28
ST1048	48" x 300'	1 Roll	25

MACtransfer® 220

Face: 4.3-mil Translucent Saturated Paper

Adhesive: High-tack

Features and Benefits:

- Translucent paper makes viewing graphics easy.
- High-tack adhesive to aid in transfer of small- and medium-sized decals.

Typical Uses:

- Transfer of diecut letters and decals to final substrate
- Protection of polished surfaces

Physical Properties	Typical Values
Peel Adhesion , lb/in. (N/25 mm) Stainless Steel - 20 min.	16-18 (4.4-4.8)
Tensile , oz./in.	14.6
Elongation , %	2.2
Tear , grams	50
Thickness , mils (um)	4.0-4.5 (115)
Shelf Life: One year when stored between 60-80°F (15-25°C) and 50% RH or less.	

Stock No.	Roll Width x Length	#/Ctn	Weight: Pounds
ST2048	48" x 300'	1 Roll	25
ST2024	24" x 300'	2 Roll	24

MACtransfer® 230

Face: 4.5-mil Transparent Polyethylene Film

Adhesive: Medium/High-tack

Features and Benefits:

- Clear film
- Non-static
- Slightly textured
- Medium/High-tack adhesive to aid in the transfer of medium to large decals

Typical Uses:

- Transfer of diecut letters and decals to final substrate
- Keeps perfect registration
- Protection of polished surfaces

Physical Properties	Typical Values
Peel Adhesion , lb/in. (N/25 mm) Stainless Steel - 20 min.	4 (1.2)
Tensile , lbs/in ²	4000
Elongation , %	650
Tear , grams	NA
Thickness , mils (um)	4.5 (115)
Shelf Life: One year when stored between 60-80°F (15-25°C) and 50% RH or less.	

Stock No.	Roll Width x Length	#/Ctn	Weight: Pounds
ST3048	48" x 300'	1 Roll	25



NEW!

MACmask® CM8400

is a 3.2-mil soft, gray, matte transparent vinyl film coated on one side with a low bonding, rubber-based, pressure-sensitive adhesive with an 83# white Kraft release liner. The adhesive is specifically designed for use on canvas and other flexible facestocks to mask large areas cost effectively and provide easy removability.

Features and Benefits:

- Textured surface reduces over-spray

Typical Uses:

- Masking off for wall murals.
- Masking off for vehicle graphics

Physical Properties		Typical Values	
Peel Adhesion , lb/in. (N/25 mm)			
Stainless Steel	- 30 min.	0.60	(2.5)
	- 1 week	1.00	(4.4)
Elongation , %		200.00	
Thickness , mils (um)		0.0035 (88.8)	
Shelf Life:			
Two years when stored between 60-80°F (15-25°C) and 50% RH or less.			

Stock No.	Roll Width x Length	#/Ctn	Weight: Pounds
CM8424	24" x 164'	1 Roll	21
CM8448	48" x 164'	1 Roll	42
CM8460	60" x 164'	1 Roll	53



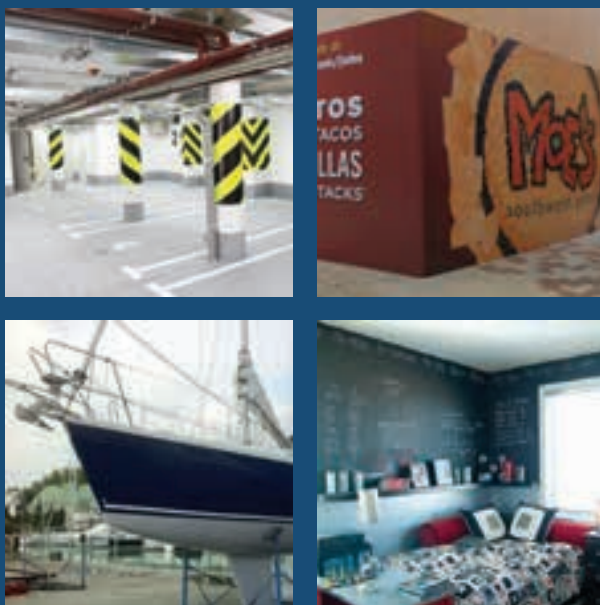
GS-Series Strip Adhesives

are made up of an **unsupported SBR pressure-sensitive adhesive, specially coated by Mactac using a patented, proprietary process** and wound on a 60# densified kraft release liner. GS-Series adhesive provides **very aggressive tack and peel adhesion along with superior shear strength**. The adhesive bonds to a wide variety of materials including low energy surfaces such as polyethylene and polypropylene. The standard thickness of 5- to 60-mils provides the mass needed to establish secure bonds to uneven or irregular surfaces.

Physical Properties		Typical Values
Quick Tack , lb./sq. in.		
Stainless Steel		20+
Peel Adhesion , lb/in. (N/25 mm)		
Stainless Steel	- 30 min.	22+
Shear , Hours to fail		
Stainless Steel - 1000 g/sq. in @ 72°F		300+
Thickness , inches only adhesive		.020 or .035
Temperature Ranges		
Application:	Above 50°F (10°C) for best performance	
End Use:	0° to 180° F (-18° to 82°C)	
Shelf Life:		
One year when stored at 75°F (24°C) and 50% relative humidity or less.		

Stock No.	Roll Width x Length	Thickness
GS9020*	1" x 200'	20 mils
GS9035*	3/4" x 200'	35 mils
* 8 rolls/ctn, 1 ctn minimum		





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.

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MAC2614 ver.19 (11/17)

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