



# Mactac® Application Table of Contents



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### Features

STR328 StreetRAP™ is a 3.4 mil opaque matte white vinyl with an aggressive, thick layer of high-tack adhesive for applications that are hard to stick to, like unsealed pedestrian concrete or asphalt sidewalks or smooth to slightly textured walls. StreetRAP comes with Mactac's 90# SuperFlat™ liner which makes it ideal as a multi-print media for all wide-format hardware.

### Benefits

StreetRAP is the leading industry product for concrete sidewalk applications and has been used successfully for major events in North America. It is also an ideal choice for a wide range of high-tack applications like low surface energy plastic, vending and kiosk powder-coated paints. Paired with PF6315 for floors, ColorGard™ LUV™ for walls, or unlaminated StreetRAP will take heat to conform to textured walls and floors, to burnish edges, or heat seal the entire graphic.

Part Number	Finish	Width	Length	Adhesive	Liner
STR328W54	Matte White	54"	150'	High-Tack Permanent	90# SuperFlat
STR328L100	Matte White	54"	100'	High-Tack Permanent	90# SuperFlat

### Durability

Three month durability for floors when paired with PF6300 and five years on vertical surfaces

### Printing

Eco-Solvent, Solvent, UV Ink jet, Screen, Latex

### Applications

Untreated concrete for retail, tradeshow, sports venues, community events, conventions

### Tech Guide

TA2040 Guide for installing Floor Graphics, including StreetRAP

TA2032 Guide for Surface Prep



Visit the Mactac® NA channel on YouTube for a video demo on concrete sidewalk application.

### Recommended Laminates

Product	Application	Finish	Width	Length
PF6315	Slip-resistant Floors	Textured	54"	164'
PF6354L100	Slip-resistant Floors	Textured	54"	100'
LUV8254	Wall	Matte	54"	150'
LUV8354	Wall	Lustre	54"	150'
LUV8054	Wall	High-Gloss	54"	150'



### Helpful Tips

StreetRAP is removable on unsealed sidewalks and walls, but is also an excellent option where high-tack permanent applications are desired. Use PermaFlex® PF6300 series as an ASTM-rated slip-resistant laminate wherever floor graphics are required.



# Removable Floor Graphics



## Helpful Tips

Use JX5828HTO for low pile carpet applications.

## Features

Mactac's 5800 series is a proven product for removable floor graphics and general purpose print applications. On the market for over two decades, 5800 series is one of Mactac's most specified products because of its tried and true performance. At 3.7 mils and available in gloss white and matte white with gray removable adhesive, it is perfect for indoor floor applications.

## Benefits

Mactac's 5800 series is a premium calendered four year vinyl, that provides excellent printability. It will apply flawlessly, it will not shrink, and it will remove cleanly. Mactac® provides the industry's largest selection of slip-resistant laminates as well, so you can be sure that you'll have the right solution for your application.

Product	Finish	Width	Length	Adhesive	Liner
JX5828R	Matte White	54"	164'	Removable	86# Kraft
JX5829R	Gloss White	54"	164'	Removable	86# Kraft

## Durability

Four year outdoor durability

## Printing

Eco-Solvent, Solvent, Latex

## Applications

Removable floor graphics, decals, indoor signage, transit and vehicle

## Tech Guide

TA2040 Guide for installing Floor Graphics



Visit the Mactac NA channel on YouTube for a video demo on removable floor graphic application.

## Recommended Laminates

Product	Application	Finish	Width	Length
PF6400 - Polyolefin	Floors	Gloss Textured	54"	150'
PF6500 - Vinyl	Floors	Lustre Textured	54"	150'

PF6400 has 30 day indoor durability. PF6500 has 90 day indoor durability.

## Features

RoughRAP™ is a 2.1 mil soft white gloss ultra-calendered polymeric vinyl. It is highly conformable to provide a paint-like effect when applied to textured brick and concrete walls. The high-tack permanent adhesive is engineered with a low profile to leave no adhesive behind, but provide an ultimate bond until ready to be removed. Pair with PERMACOLOR® RAYZor™ for the thinnest construction available for exterior decoration.

## Benefits

RoughRAP has the industry's longest warranty for rough textured wall graphics at 18 months and the industry's preferred matte laminate, PERMACOLOR RAYZor Matte, for interior graphics where a professional no glare look is preferred.

Part Number	Finish	Width	Length	Adhesive	Liner
WW100W54L150	Gloss White	54"	150'	High-Tack Permanent	80# SuperFlat
WW100	Gloss White	54"	82'	High-Tack Permanent	80# SuperFlat

## Durability

18 month durability for exterior brick and concrete walls, five years indoors

## Printing

Eco-Solvent, Solvent, Screen, Latex

## Applications

Brick walls for hospitality, corporate, retail, sports venues, community events, conventions

## Tech Guide

TA2102 Guide for installing RoughRAP

TA2032 Guide for Surface Preparation



Visit the Mactac NA channel on YouTube for a video demo on rough wall graphic application.

## Recommended Laminates

PERMACOLOR RAYzor	Application	Finish	Width	Length
LF3648G	Rough Walls	Gloss	54"	150'
LF3638G	Rough Walls	Matte	54"	150'



Creative: Chris Modarelli, Cleveland Browns Art Director  
Printing: Consolidated Solutions  
Installation: Side Effects



## Helpful Tips

RoughRAP requires a dry application surface, and must be heated thoroughly to 220°F minimum to ensure a perfect installation.

# Wall Murals



## Helpful Tips

Choose ROODLE for all of your removable wall mural needs when a strong, cleanly removable adhesive is required. As painted drywall can be a tricky substrate to stick to, please always ask for a paint specification, check it against the technical assistance guide and test first.

## Features

IMAGin® ROODLE™ is a 6.0 mil semi-rigid, matte white vinyl designed for tileable wall graphics, decals, bumper stickers and general purpose interior decoration. ROODLE is semi-rigid, so it is perfect for easy application and can be applied laminated or without lamination. Supplied on a 90# SuperFlat™ polycoated liner, ROODLE will be stable for all recommended printing processes.

## Benefits

ROODLE's thick 6.0 mil semi-rigid face stock makes it very easy to apply, even without a laminate. It is cleanly removable for up to two years, and meets all requirements for flame spread and smoke density specifications for ANSI/NFPA - Class A and IBC-Class A.

Product	Finish	Width	Length	Adhesive	Liner
RO628	Matte	54"	100'	Removable	90# PC
RO628W60L100	Matte	60"	100'	Removable	90# PC

## Durability

Three year outdoor durability, five years indoors

## Printing

Eco-Solvent, Solvent, UV ink jet, Screen, Latex

## Applications

For use with all intermediate edge to edge wall murals and other easy to apply removable applications, like elevator doors

## Tech Guide

TA2500 Guide for Drywall application instructions

## Recommended Laminates

ColorGard™ LUV™	Application	Finish	Width	Length
LUV8254	Wall	Matte	54"	150'
LUV8354	Wall	Lustre	54"	150'
LUV8054	Wall	High-Gloss	54"	150'



## Features

wallNOODLE® is a 6.0 mil semi-rigid, matte white vinyl designed for repositionable and removable wall posters decals and stickers only. It is recommended that you do not use a laminate with wallNOODLE. Supplied on a 90# SuperFlat™ liner, wallNOODLE will be stable for all recommended printing processes.

## Benefits

Customers specify wallNOODLE as a proven product for repositionable and removable wall posters. Mactac® has mastered the balance between microsphere adhesive and release characteristics to ensure that you will never see tunneling off of your printer or during installation.

Product	Finish	Width	Length	Adhesive	Liner
WN628	Matte	54"	100'	Ultra-removable	90# PCK
WN628W60	Matte	60"	100'	Ultra-removable	90# PCK

## Durability

6 months to one year of indoor durability

## Printing

Eco-Solvent, Solvent, UV ink jet, Screen, Latex

## Applications

Short-term wall posters, decals, bumper stickers and interior hand applied direction signage and short-term POP signs

## Tech Guide

TA2500 Guide for Drywall application instructions

## Recommended Laminates

Lamination is not recommended for wallNOODLE due to the weight of the total construction versus the light tack strength of the adhesive. As wallNOODLE is a short-term application, lamination should not be required.



## Helpful Tips

wallNOODLE has a permanent counterpart, called...Permanent wallNOODLE. PN628 is perfect for barrier graphics and other signage projects where a thick, easy to apply product is requested.

Also, do not try to print edge to edge with wallNOODLE, unless you are using a latex printer. Solvent printers will cause edge lifting on your graphic, due to the light tack of the wallNOODLE adhesive.

# Window Graphics



## Helpful Tips

B-free window films are for digital printing, not for etched glass marking. Use MACmark® 700 series etched glass products for unprinted glass décor or in areas where graphics are susceptible to being handled or touched.

## Features

B-free® Window Films are translucent frosted, dusted and clear 3.1 mil polymeric vinyls with clear acrylic omni-directional bubble-free adhesive on an 80# polycoated layflat liner for no mess printed window applications for interior or exterior decoration.

## Benefits

B-free Window Films quickly gained notoriety for one simple reason - they eliminated the necessity of wet application. With Mactac's patented micro-structured bubble-free adhesive, graphics can be applied dry with virtually no distortion of the printed graphic, saving time and money.

Product	Finish	Width	Length	Adhesive	Liner
JX5796MBF	Frosted	54"	164'	B-free	80# PCK
JX5798MBF	Dusted	54"	164'	B-free	80# PCK
JX5999MBF	Clear	54"	164'	B-free	80# PCK

## Durability

Five year outdoor durability, seven years indoors

## Printing

Eco-Solvent, Solvent, Latex, UV Ink jet

## Applications

Digitally printed window film applications for interior or exterior decoration, privacy or etched glass graphics

## Tech Guide



Visit the Mactac NA channel on YouTube for a video demo on window graphic application.

## Recommended Laminates

ColorGard™ LUV™	Application	Finish	Width	Length
LUV8254	Window	Matte	54"	150'
LUV8354	Window	Lustre	54"	150'
LUV8054	Window	High-Gloss	54"	150'



### Features

REBEL® is a high-performance 4.0 mil polymeric vinyl built to be the most versatile print media on the market. 100% opaque, matte white facestock provides complete block-out and cover up, and the clear, high-tack permanent adhesive ensures that when it absolutely, positively has to stick, it will. 90# SuperFlat™ liner for superior lay flat on a variety of hardware makes REBEL the most versatile for any operation. Also available in a very unique Gloss Clear version for OEM Decals.

### Benefits

REBEL is different by design. The opacity is built into the face stock so you have no gray adhesive to dull the film's white point. You get the opacity you need, without diluting the strength of the adhesive with gray filler. The adhesive is clear, and strong, and is proven to have more tack and peel than the competition. Wrap it up with Mactac's unique SuperFlat liner for a true multi-print media, and you have the one product that customers ask for when it absolutely has to stick.

Product	Finish	Width	Length	Adhesive	Liner
RB528HW54L150	Matte White	54"	150'	High-Tack Permanent	90# PCK
RB528HW60L150	Matte White	60"	150'	High-Tack Permanent	90# PCK
RB599HW54L150	Gloss Clear	54"	150'	High-Tack Permanent	90# PCK

### Durability

Five year outdoor durability

### Printing

Eco-Solvent, Solvent, Latex, Screen, UV Ink jet

### Applications

Board mounting to HDPE, primed MDO, Sintra, primed MDO for barricades, powder-coated paint, general signage applications and durable decals

### Tech Guide



Visit the Mactac® NA channel on YouTube for a video demo on REBEL application.

### Recommended Laminates

ColorGard™ LUV™	Application	Finish	Width	Length
LUV8254	Wall	Matte	54"	150'
LUV8354	Wall	Lustre	54"	150'
LUV8054	Wall	High-Gloss	54"	150'



### Helpful Tips

Mactac's REBEL is an entire family of products with a true strong removable and permanent option as well.

# Bubble-Free Decals



## Helpful Tips

B-free Gruv 4 has a removable version called GV429R. It is a great choice for flat automotive decal applications on flat to slightly curved surfaces.

## Features

B-free® Gruv™ 4 series is a 3.0 mil soft white calendered vinyl available in matte and gloss finish. It has Mactac's exclusive B-free acrylic bubble-free adhesive for a quick bond to substrates for a permanent application. Available on a heavy gauge 98# liner, B-free Gruv 4 is ready to handle all of your intermediate outdoor advertising and promotional applications for flat and simple curved surfaces.

## Benefits

B-free Gruv 4 is built on our successful B-free Gruv platform that provides the industry's largest range of bubble-free options for meeting customer needs. There is a B-free Gruv product for intermediate all the way to high performance applications. The B-free Gruv 4 specifically addresses the customer's need for a quality entry-level bubble-free product where pristine print quality and application are essential.

Product	Finish	Width	Length	Adhesive	Liner
GV429BFD	Gloss	54"	150'	Perm	98# PCK
GV428BFD	Matte	54"	150'	Perm	98# PCK

## Durability

Four year outdoor durability

## Printing

Eco-Solvent, Solvent, UV ink jet, Screen, Latex

## Applications

Intermediate interior and exterior graphics and signage where a bubble-free installation is desired

## Tech Guide

TA2500 Guide for Drywall application instructions

## Recommended Laminates

ColorGard™ LUV™	Application	Finish	Width	Length
LUV8254	Wall	Matte	54"	150'
LUV8354	Wall	Lustre	54"	150'
LUV8054	Wall	High-Gloss	54"	150'



## Features

IMAGin® PrintVinyl is a 3.9 mil soft calendered vinyl print media designed for exceptional print quality and adhesion to all common mounting substrates. Clear permanent acrylic adhesive and a 74# kraft liner makes IMAGin PrintVinyl ideal for general purpose indoor and outdoor advertising and promotional projects where quality, durability and economy are the main factors.

## Benefits

IMAGin PrintVinyl is a rare find for printers that are looking for a four year durable print media at a economy price that does not sacrifice in quality. IMAGin PrintVinyl prints exceptionally well, and the clear adhesive is strong, meaning that it will not only stick to high surface energy substrates like stainless steel and aluminum, but also Sintra®, Gator® and other lower energy surfaces. IMAGin PrintVinyl is not designed for true low-surface energy substrates like powder-coated paint, but you will be hard pressed to find a better branded option with four year durability. Also note the 64" option, great for 2-up printing.

Product	Finish	Width	Length	Adhesive	Liner
JL828PW30L150	Matte White	30"	150'	Permanent	74# Kraft
JX828PW54L150	Matte White	54"	150'	Permanent	74# Kraft
JT828PW65L150	Matte White	64"	150'	Permanent	74# Kraft
JT829PW30L150	Gloss White	30"	150'	Permanent	74# Kraft
JT829PW54L150	Gloss White	54"	150'	Permanent	74# Kraft
JT829PW64L150	Gloss White	64"	150'	Permanent	74# Kraft

## Durability

Four year outdoor durability

## Printing

Solvent, Latex

## Applications

General purpose indoor and outdoor signage for flat or slightly curved surfaces

## Tech Guide

MAC2609 Mactac's Open-Image Warranty™

## Recommended Laminates

PERMACOLOR® PromoGard	Application	Finish	Width	Length
PG7254	POP	Matte	54"	150'
PG7354	POP	Lustre	54"	150'
PG7054	POP	High-Gloss	54"	150'



## Helpful Tips

For an economy solution that needs to be removable or more opaque with a gray adhesive, try M-Series removable or permanent. Which is also available in matte and gloss white finishes.



# Vehicle & Fleet Wraps



## Helpful Tips

B-free Gruv 9 has an excellent print surface and handle-ability. Check out [www.theApplicationNation.com](http://www.theApplicationNation.com) for installation videos.

B-free Gruv 9 is used extensively for high-performance interior border signage in retail environments.

## Features

B-free® Gruv™ 9 is a proprietary 2.1 mil gloss white, ultra-calendared, polymeric wrap film. This is coated with Mactac's B-free Gruv air-egress, opaque, permanent adhesive. The facestock features a bright white gloss finish that is durable up to nine years outdoors. The layflat 98# liner helps make B-free Gruv 9 screen printable in addition to latex, UV and solvent. This is designed for full, complex vehicle and fleet wraps, in addition to long term signage.

## Benefits

B-free Gruv 9 is built on our successful B-free Gruv platform that provides the industry's largest range of bubble free options for meeting customer's needs. The B-free Gruv 9 specifically addresses the customer's need for a quality high performance bubble-free product where durability, conformability, and ease of application are essential.

Product	Finish	Width	Length	Adhesive	Liner
GV929BFDW54	Gloss	54"	150'	Perm	98# PCK

## Durability

Nine year outdoor durability

## Printing

Eco-Solvent, Solvent, UV Ink jet, Screen, Latex

## Applications

High-performance vehicle wraps and signage where a bubble-free installation is desired

## Tech Guide

TA2501 Guide for B-free Application

## Recommended Laminates

PERMACOLOR® RAYZor™	Application	Finish	Width	Length
LF3638G	Wraps	Matte	54"	150'
LF3648G	Wraps	High-Gloss	54"	150'

PERMACOLOR® HORIZon™	Application	Finish	Width	Length
XL1000	Wraps	High-Gloss	54"	150'

### Features

Customers prefer ColorGard™ LUV as their quality intermediate overlaminate. The ColorGard laminate range is a 3.2 mil blended polymeric calendared vinyl that includes inhibitors that protect it from UV light. The permanent acrylic adhesive specially designed for UV inks and is recommended for all digitally printed medias, whether for indoor or outdoor application, up to four years.

### Benefits

ColorGard's adhesive is a proprietary Mactac formulation that was developed SPECIFICALLY for UV inks. The softness and viscosity of the adhesive allows it to flow into the channels that UV ink creates, and provides an impressive lamination with virtually no silvering right off of the laminator. Combined with exceptional adhesive anchorage, there is no other need for a premium intermediate laminate for quality print image protection.

ColorGard™ LUV™	Application	Finish	Width	Length
LUV8254*	Wall	Matte	54"	150'
LUV8354*	Wall	Lustre	54"	150'
LUV8054*	Wall	High-Gloss	54"	150'

\* also available in 60", 30" and 51"

### Durability

Four year outdoor durability

### Printing

Designed for use with all print formats, including UV inks

### Applications

For use with all intermediate image protection needs, up to four year durability

### Tech Guide

TA2044 Guide for Cold Lamination Procedures

### Recommended Medias

Product	Page	Application Guide
5800 Series	4	MAC2708 / MAC2685
ROODLE™	6	MAC2831 / MAC2805
wallNOODLE®	7	MAC2831 / MAC2805
REBEL® H	9	MAC2703 / MAC2685
B-free® GRUV™ GV429R	10	MAC2685 / MAC2805
B-free GRUV GV429P	10	MAC2685 / MAC2805
IMAGin® PrintVinyl	11	MAC2685
M-Series	na	MAC2685
B-free GRUV GV529P	na	MAC2685 / MAC2805



### Helpful Tips

ColorGard LUV has some very impressive technical benefits, including the lowest Delta E, or color shift, amongst the leading competitors. This means when you laminate with ColorGard LUV, your image stays as intended, it does not vary. Now you know why we call it ColorGard!





## Helpful Tips

Tension, pressure and heat-assist setting for lamination equipment greatly impact lamination and mounting quality. If your customer is not obtaining expected results from their post print process, check here first.

## Features

PERMACOLOR® GEMINI XT™ clear and white mounting films are economically designed mounting products with a high-tack, high peel adhesion and high cohesive strength for quick adhesion to a wide variety of mounting surfaces. The single release liner is self-wound and permits easy lamination and eliminates the need to remove a second liner.

## Benefits

Great for all mounting surfaces including low energy surfaces such as Sintra®, plastic and styrene. PERMACOLOR GEMINI XT is an inexpensive option for mounting that every print service provider should have and stock in their shop. Although it is economical, it should not be mistaken for cheap. In fact, PERMACOLOR GEMINI XT is produced on Mactac's latest state of the art coating equipment, which produces high-tech adhesives for very technical applications in the automotive, construction and medical markets. It also just happens to produce the most highly engineered and cost effective mounting film in the market.

Product	Carrier	Width	Length	Adhesive	Liner
PP5042L150	White	42"	150'	Perm/Perm	78# PCK
PP5051L150	White	51"	150'	Perm/Perm	78# PCK
PP5051L400	White	51"	400'	Perm/Perm	78# PCK
PP5642L150	Clear	42"	150'	Perm/Perm	78# PCK
PP5651L150	Clear	51"	150'	Perm/Perm	78# PCK
PP5651L400	Clear	51"	400'	Perm/Perm	78# PCK

## Durability

Three year outdoor durability

## Applications

For economic general purpose mounting of digital images

## Tech Guide

TA2076 Board stock outgassing preparation before mounting



Visit the Mactac® NA channel on YouTube for a video demo on PERMACOLOR GEMINI XT application.

## Recommended Laminates

PERMACOLOR® PromoGard	Application	Finish	Width	Length
PG7254	POP	Matte	54"	150'
PG7354	POP	Lustre	54"	150'
PG7054	POP	High-Gloss	54"	150'

Laminates are not intended for use with PERMACOLOR Gemini XT, only if image protection on the board stock is requested



## Adhesives and Technologies

For over 50 years, Mactac has been a global leader in manufacturing adhesive products used for visual communication, signage, decoration, labeling and the packaging and assembly industry. As one of the world's largest adhesive manufacturers, we design and consume proprietary solvent, emulsion and hot-melt adhesives, so you can be sure that your Mactac products can be applied and removed for their intended applications.

Thanks to rigorous quality control, we can offer our Open-Image Warranty™ that guarantees consistent product quality and durability. Prestigious brands in the United States, Canada, and across the globe, choose Mactac for their visual communications.

## Respecting the Environment

Mactac places the environment at the heart of our strategy by developing products that are environmentally friendly, with more and more being PVC, phthalate and solvent-free. For example, in 2014, Mactac underwent a major initiative to ensure that our MACmark® products met the latest REACH® requirements. Mactac was one of the first manufacturers to install recovery units in our solvent coaters. Mactac extensively uses high-performance emulsion adhesives to eliminate the necessity of VOC-producing solvents and in fact, our latest coating assets are 100% VOC free. Since 2005, Mactac has reduced energy consumption by 14%, gas consumption by 25%, and water consumption by 39%. Our products and packaging are also constantly adapted so they can be recycled as part of our waste management procedures.



# Service and Innovation - The Strength of Mactac®

## Mactac offers:

- Dedicated local sales professionals with knowledge in the Mactac product range
- Expertise in application-based products, in the field
- Proven market expertise in wide-format graphics
- Personalized inside sales service, knowledge and quick response
- Dedicated customer service professionals
- Over 1,200 ICC profiles on our website, for perfect printing
- DesignScape3D™, the industry's only app for product specification
- An image gallery to discover the possibilities Mactac can offer
- A global presence, with local offices around the world
- Open-Image Warranty™ system with your workflow in mind
- Over 50 Years of adhesive manufacturing excellence