

Rigid Photo Quality on Solvent

Yes, your solvent printer can deliver photo quality results too.

So you bought a solvent printer. Are you realizing that there is more to solvent printing than self adhesive vinyl and scrim banner? Yes, your solvent printer can deliver photo quality output too.

The dot size, resolution and color gamut of solvent printers continues to improve with each generation.



BEST FOR PHOTO QUALITY "THICK"

31WJ45 WinkJET™ GLAM-S
Satin Photo Board - 12 mil



» Semi-rigid photo paper that is flexible enough to roll, but stiff enough to stand or hang without mounting.

» **31WJ45** WinkJET™ GLAM-S is a 12 mil, semi-rigid photo board that delivers premium photo quality on solvent inkjet printers. GLAM-S expands the capabilities of solvent printers, truly bridging the gap between flatbed and roll-to-roll printing. With an instant dry, photo coating, GLAM-S provides outstanding image quality and dot gain control on a board that is stiff

enough to stand or hang, yet flexible enough to roll. GLAM-S is perfect for applications ranging from high end photo finishing to hanging signs, easel signs and point of sale displays.

Also See:

» **3144** WinkJET™ GLAM-G
Gloss Photo Board - 12 mil

Posting the Right Imaging Paper

From posters, to billboards, to wall murals, we've got you covered.

Not everything printed on a solvent printer wraps around a vehicle or hangs with grommets. Paper is the preferred solution for low cost signage that can be used for a variety of applications, indoors or outdoors.

Relyco Imaging Papers offer an economical, PVC free alternative for water and weather resistant, short term, outdoor applications including billboard and wet posting, as well as long term, indoor, decorative and full wall murals.



BEST FOR MATTE PRODUCTION

31WJ57 WinkJET™ Pacific
Matte Photo Paper - 8 mil



» Yes, solvent imaging paper can deliver photo quality results too. The dot size, resolution and color gamut of solvent printers continues to improve with each generation.

» **31WJ57** WINKJET™ Pacific is a bright white, super smooth, high performance, matte photo paper designed specifically for premium performance on solvent printers. WinkJET™ Pacific features a proprietary barrier coating that seals the base paper, prevents show through and cockle, and maximizes print density, color gamut and shadow detail at the surface.

BEST FOR EVERYDAY POSTERS EVERYDAY SIGNAGE

36WJ86 WinkJET™ Premium
Gloss PrimeArt Paper - 8 mil



» Not everything printed on solvent printers wraps around a vehicle or hangs with grommets. Paper is the preferred solution for low cost signage that can be used for a variety of applications, indoors or outdoors.

» **36WJ86** WinkJET™ is a Premium, 8 mil, bright white, gloss coated paper with excellent print quality and drytime. All WinkJET™ Premium papers are multi-layer coated, water and weather resistant and qualified for billboard, outdoor posting and wall mural applications. The proprietary WinkJET™ Premium coating delivers excellent scratch resistance without lamination and withstands folding without cracking.

BEST FOR BLOCKOUT POSTED SIGNAGE

36WJ87 WinkJET™ Premium Satin
PostArt Paper Blueback - 6 mil



» When short term advertising calls for posting new graphics over old ones, only a blockout layer can prevent the old graphic from showing through the new one.

» **36WJ87** WinkJET™ Blueback is an economical weight, bright white, wet strength paper that is qualified for billboard and outdoor advertising use. Blueback features good print quality, excellent outdoor durability, and excellent scratch resistance. You can apply Blueback directly on top of an old graphic instead of removing it. The blueback will prevent the old graphic from showing through.

Also See:

» **36WJ89** WinkJET™
PostArt Paper

BEST FOR OUTDOOR DURABLE

31WJ96 WinkJET™ WaterStrong II
Premium Satin Poster Paper - 9 mil



» While much of the industry relies on vinyl for outdoor durable graphics, latex saturated offers a PVC free and phthalate free solution that will not shrink or crack.

» **31WJ96** WaterStrong II is a 9 mil, premium, latex saturated paper that is PVC and phthalate free. WaterStrong II has improved print performance, dry-time and tear strength, that will establish a new standard in durable, tear resistant paper.

Designed for long term, indoor applications such as wallpaper, wall décor and general signage, the low glare and smooth finish of WaterStrong II makes it the ideal alternative to self adhesive vinyl. WaterStrong II is also a great solution for short term, outdoor applications such as posted graphics and billboards.

Also See:

» **36WJ86** WinkJET™
PrimeArt Paper

BEST FOR SHORT TERM ADHESIVE SIGNAGE

36WJ83 WinkJET™ Premium Gloss
PrimeArt Paper Blueback PSA - 9 mil



» The application for short term, adhesive backed signage ranges from standard posters to package prototypes and even retail / trade show graphics. While low cost vinyl is the choice for some, vinyl can shrink and is difficult to install. Paper offers similar outdoor durability and print performance while also offering a "PVC Free" solution.

» **36WJ83** WinkJET™ Blueback PSA is a 6 mil, gloss coated paper with a 3 mil, silicon release liner for easy application to a variety of surfaces and substrates. You can apply Blueback PSA directly on top of an old graphic without fear of "showthrough." The permanent, acrylic adhesive will bond well to most smooth surfaces and the Blueback PSA will prevent any color from showing through to the front.

BEST FOR SHORT TERM POSTED SIGNAGE

36WJ89 WinkJET™ Premium
Satin PostArt Paper - 6 mil



» Short term, outdoor advertising for entertainment, construction and retail promotion utilizes a standard process, starting with a wet strength paper, that can be prepped with a standardized soaking process and applied with a standardized posting glue.

» **36WJ89** WinkJET™ Premium Satin is an economical weight, bright white, wet strength paper that is qualified for billboard and outdoor advertising use. Premium Satin features good print quality, excellent outdoor durability, and excellent scratch resistance.

Also See:

» **36WJ87** WinkJET™
PostArt Paper Blueback

WinkJET™ PREMIUM AND WATERSTRONG PAPERS CAN BE USED FOR WALLPAPER AND OTHER WALL-ART APPLICATIONS.

The ability for digital print to create short run, customized wallpaper and wall covering installations has helped redefine and expand this existing market segment. What was once dominated by self adhesive vinyl, is today dominated by anything other than vinyl. With options like wet strength paper, polypropylene, textured films and woven polyester; both environmental and technical objections to vinyl have a variety of materials to choose from.

The Relyco Premium line of paper starts with a unique base paper structure that allows for Premium to be applied in a variety of applications that require wet strength and structural integrity.

HOW TO APPLY WinkJET™ PREMIUM WITH WALLPAPER PASTE (GLUES)

The correct preparation

- After printing, allow to dry thoroughly (at least 4 hrs)
- Fold print(s)
 - Fold printed side to printed side leaving 1" uncovered.
 - Turn 90° and repeat
- Soak print completely in water (not in glue!) for up to 15 minutes
- Push out excess water with hand, roller or squeegee
- Place print(s) inside an air tight plastic bag (or box)
- Allow to soak for no less than eight hours. Longer periods (over weekend, e.g.) are okay
- Remove print from bag / Wipe off the excess water
- Apply glue to mounting surface / Paste the wet Premium paper onto the billboard -
- Overlap seams by at least one half of an inch
- Wipe again with the glue over front surface of print

Rolling out the Choices for POS Graphics

Why this demanding application requires a calculated approach.

Choosing the right point of sale, retractable, pop-up or trade show display film is a complex equation balancing durability and cost. A low cost graphic that looks great but tears too easily is no more successful than an indestructible graphic that only needs to last for one event. The choices can be overwhelming.



**BEST FOR
PORTABLE DISPLAY UNITS /
RETAIL SIGNAGE
(SEMI-RIGID PVC)**

34WJ08 WinkJET™ Satin
Light Display Film - 9 mil

**BEST FOR
FLAT WALL
EXHIBIT / RETAIL GRAPHICS
(SEMI-RIGID PVC)**

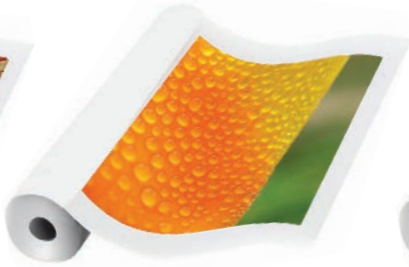
35WJ08 WinkJET™ Satin
Heavy Display Film - 17 mil

**BEST FOR
CURVED PANEL
EXHIBIT / RETAIL GRAPHICS
(SEMI-RIGID PVC)**

36W08 WinkJET™ Satin
Medium Display Film - 12 mil

**BEST FOR
PORTABLE DISPLAY UNITS /
RETAIL SIGNAGE**

33WJ94 WinkJET™ Matte
Textured Polypropylene Film - 9 mil



» Looking for a durable, flexible and tear resistant material for retractable banners, shelf strips, portable displays or any application requiring the perfect combination of rigidity and flexibility?

» Whether it's an exhibit panel, trade show graphic, or POS display panel, the requirements are all the same; semi-rigid materials for flexibility with maximum durability. We combined those requirements with outstanding print performance to deliver an industry leading solution year after year.

» Looking for a durable, flexible and tear resistant material for retractable banners, shelf strips, portable displays or any application requiring the perfect combination of rigidity and flexibility?

» A textured, polypropylene film for applications ranging from gallery wrapped canvas to banner stands and wall murals.

Top Pick

» **34WJ08** Light Display Film is a 9 mil, semi-rigid, PVC display film with a "low glare," satin finish and an instant dry, scratch resistant coating. The durable construction features tear resistant PVC, intended to be used un laminated, to create a durable rollup panel, engineered to withstand repeated rolling in portable display units without cupping, warping or scratching. 34WJ08 Light Display Film is compatible with all solvent printers.

» **35WJ08** Heavy Display Film is a 17 mil, semi-rigid, PVC display film with a "low glare," satin finish and an instant dry, scratch resistant coating. The durable construction features tear resistant PVC, intended to be used un laminated to create a durable trade show panel, engineered to withstand repeated rolling in portable display units without cupping, warping or scratching. 35WJ08 Heavy Display Film is compatible with solvent and UVC printers.

» **36WJ08** Medium Display Film is a 12 mil, semi-rigid, PVC display film with a "low glare," satin finish and an instant dry, scratch resistant coating. The durable construction features tear resistant PVC, intended to be used un laminated to create a durable trade show or rollup panel, engineered to withstand repeated rolling in portable display units without cupping, warping or scratching. 3608 Display Film Medium is compatible with solvent and UVC printers.

New product

» **33WJ94** Textured Polypropylene is a tear resistant, embossed, polypropylene film with a "low glare," satin finish and a water resistant, scratch resistant coating. Textured Polypropylene features a high performance coating and excellent water and scratch resistance. Textured Polypropylene is compatible with solvent, UVC and latex printers.

**BEST FOR
ROLLUP BANNERS
(POLYPROPYLENE)**

36WJ29 WinkJET™ PolySatin
Film - 7 mil



» For single use and short term rollup or retractable banners, polypropylene is a great choice.

» **36WJ29** PolySatin is a tear resistant, smooth, polypropylene display film with a "low glare," satin finish and a water resistant, scratch resistant coating. The PolySatin family of products lay extremely flat, both on the printer and in final application. PolySatin is compatible with latex, solvent, and UVC printers.

Also See:

» **33WJ94** WinkJET™ Textured Polypropylene

**BEST FOR
PORTABLE DISPLAY UNITS /
RETAIL SIGNAGE
(POLYESTER)**

35WJ15 WinkJET™ PolySatin
Rollup Film Blockout - 7 mil



» Maximum durability, vivid color and universal compatibility for any POS application with "shine-through protection."

» **35WJ15** PolySatin Blockout is a 7 mil, white, polyester film with an instant dry, glossy finish for outstanding "color pop" and a gray-back for 100% blockout. The durable construction is engineered to withstand repeated rolling in portable display units without tearing or edge fraying. PolySatin Blockout can be overlaminated with either low-melt or pressure sensitive laminates.

New Product

**BEST FOR
FLAT WALL
EXHIBIT / RETAIL GRAPHICS
(POLYESTER)**

35WJ16 WinkJET™ PolySatin
Pop-up Film Blockout - 12 mil



» Quite simply a dimensionally stable film that delivers in every characteristic. From printing to finishing - installation to removal - PolySOL™ delivers flexibility, durability and quality.

New Product

» **35WJ16** PolySatin Blockout is a polyester display film with a "low glare," satin finish and an instant dry, water resistant coating. The durable, 12 mil construction can be used un laminated to create a durable exhibit or POS graphic, engineered to withstand repeated rolling in portable display units and abuse from hands-on inter-actions without cupping, warping or scratching. For additional protection or to change the finish, PolySatin Blockout can be overlaminated with both pressure sensitive and hot laminates.

**BEST FOR
SMOOTH SURFACE
REMOVABLE WALL GRAPHICS
(POLYPROPYLENE)**

35WJ29 WinkJET™ PolySatin
Film with Tack - 14 mil



» Perfect for smooth surfaces (glass or smooth walls). Stick it and unstick it!

» **35WJ29** PolySatin with Tack is not your average, bright white, satin coated polypropylene. What makes PolySatin with Tack unique is its proprietary, low tack self-adhesive. The special, low tack glue allows for easy, 100% bubble free application and residue free removal on glass and other smooth, flat surfaces. For surfaces including walls and boards with raised structure, we recommend testing prior to final application. The PolySatin with Tack family of products lay extremely flat, both on the printer and in final application.

DID YOU KNOW? Helpful Hints from Relyco...

MATCHING PRINT FILMS AND OVERLAMINATES

Matching similar thickness and material types of print films, overlaminates and backers is the best way to create an ultra durable sandwich for your graphics. For example, 6 mil printable polyester and 15 mil polycarbonate overlaminate is not a good solution. The rigid polycarbonate will ultimately delaminate from the polyester face film at the most inopportune time.

For backwall displays (>20mil), start with a 9-12 mil film and pair it with a 10-15 mil laminate.

*For retractable displays (<12 mil), start with a 4-9 mil film and pair it with a flexible overlaminate <5 mil thick.

* if using an overlaminate

**APPLYING VELCRO STRIPS OR
MAGNETIC TAPE**

Before you apply full, 1" Velcro strips to every edge of your trade show graphic, remember your graphics will likely be rolled and stored for an extended period of time. By applying Velcro in 1/2" strips and slitting the pieces every 12"-24" to align with the diameter of the roll, you will prevent the Velcro from buckling during extended storage. This will ultimately help prevent delamination and extend the life of your graphics.

Or follow this simple montra...
Don't overuse Velcro.

**HOW TO ROLL TRADE SHOW
GRAPHICS**

Since trade show graphics go through a tremendous amount of stress from rolling and unrolling, everything that can be done to minimize this stress can help prevent delamination and extend the life of your graphics.

For shipping and storing:
Roll laminated graphics image side out (this refers to the side on which the ink is printed), no smaller than a 9" diameter. If possible, store flat for longer storage periods. If Velcro is applied to the back-side, place a slip sheet or protective paper next to the Velcro to prevent it from scratching your finished surface.

Shedding Some Light on Backlit

What really matters when comparing backlit films?

Choosing the right backlit film can be tricky. Let's be honest. The most important aspects when choosing a backlit film are density, density, and density. Regardless of whether your graphic is going inside or outside, whether it is large or small, mounting to Plexi-glass or "sandwiching" between two layers, you want your blacks to be dark, your colors vibrant and your graphic flat.

Relyco WinkJET™ backlit film is the industry leader in print quality and, of course, density. WinkJET™ features a unique, super absorbent, matte coating that looks washed out and dull coming off the printer, but delivers outstanding "color-pop" and vivid color when placed in a backlit box or lit from behind.



BEST FOR LARGE BACKLIT DISPLAYS

35WJ49 WinkJET™ UltraLUX
Matte Backlit Film - 8 mil

BEST FOR ADHERED / APPLIED BACKLIT DISPLAYS (EASY ON AND OFF)

36WJ48 WinkJET™ UltraLUX Matte
Window Film withTack - 8 mil

BEST FOR ECONOMICAL BACKLIT DISPLAYS

36WJ49 WinkJET™ UltraLUX
Matte Backlit Film - 6 mil



» We don't mind telling you UltraLUX can achieve over 50% higher density than our closest competitor on any solvent printer. Print, install and turn on the lights...end of discussion!

» **35WJ49** UltraLUX is a premium weight, 8 mil, fast dry, front-print, polyester, backlit film designed for indoor and outdoor durable displays. The entire UltraLUX family features superior water resistance, scratch resistance and fade resistance without sacrificing print quality and drytime. The proprietary, inkjet coating is super absorbent, which translates to solid blacks and rich colors when illuminated.

» Print...Install...Remove. Films that are applied or adhered to windows or other translucent surfaces for short term application need to be easy to print, easy to install, and easy to remove.

» **36WJ48** UltraLUX with Tack is a fast dry, front-print, polyester, backlit film with a proprietary, low tack self-adhesive. This special, low tack glue allows for easy, 100% bubble free application and residue free removal from glass and other flat surfaces. The entire UltraLUX family features superior water resistance, scratch resistance and fade resistance without sacrificing print quality and drytime. The super absorbent, inkjet coating provides solid blacks and rich colors when illuminated.

» For an economical alternative to UltraLUX, we started with a thinner film and left everything else untouched. The result is nothing short of outstanding!

Top Pick

» **36WJ49** UltraLU is a fast dry, economical weight, front-print, polyester, backlit film designed for indoor and outdoor durable displays. The entire UltraLUX family features superior water resistance, scratch resistance and fade resistance without sacrificing print quality and drytime. The super absorbent, inkjet coating provides solid blacks and rich colors when illuminated.

ABOUT OUR FACTS:

To determine K density, we performed a blind test on Relyco WinkJET™ 35WJ49 UltraLUX and our closest competitor's film. We turned off all ICC profiles to force the maximum amount of ink on the film. We then read the transmissive density at 100% K with an X-rite 361T. The result was clear as day. No secrets, no tricks.

Relyco WinkJET™ 35WJ49 UltraLUX:
K density = 2.9

Competitive Film:
K density = 1.5

Try it yourself or ask a Relyco sales representative for a sample.

Sticking To The Right Adhesive Solution!

How to avoid a sticky mess by choosing the right adhesive media.

Pressure sensitive adhesive media can transform a wall, window, floor, ceiling or almost any surface in a matter of minutes. Choosing the right pressure sensitive solution can take a little longer. There are some key parameters that can be the difference between a successful installation and your graphics falling to the floor when you turn your back or, even worse, taking the paint and half the wall with it when you try to remove the graphic.

Whether you are covering a full wall, creating a decorative accent, or making floor mounted, outdoor advertising promotions; sticking to a light or heavy textured surface; targeting removal a few days later or a few years later...we've got you covered.



BEST FOR LIGHT TEXTURED (SHORT TERM OUTDOOR)

36WJ83 WinkJET™ Gloss
PrimeArt Paper Blueback PSA - 9 mil



» The application for short term, adhesive backed signage ranges from standard posters, to package prototypes and even retail / trade show graphics. While low cost vinyl is the choice for some, vinyl can shrink and is difficult to install. Paper offers similar outdoor durability and print performance while also offering a "PVC Free" solution.

» **36WJ83** Blueback PSA is a 6 mil, gloss coated paper with a 3 mil, silicon release liner for easy application to a variety of surfaces and substrates. You can apply Blueback PSA directly on top of an old graphic without fear of "show-through." The permanent, acrylic adhesive will bond well to most smooth surfaces and the Blueback PSA will prevent any color from showing through to the front.

BEST FOR SMOOTH SURFACE (OUTDOOR DURABLE)

35WJ29 WinkJET™ PolySatin
Film with Tack - 14 mil



» Perfect for smooth surfaces (glass or smooth walls). Stick it and unstick it!

Top Pick » **35WJ29** PolySatin with Tack is not your average, bright white, satin coated, polypropylene. What makes 35WJ29 PolySatin with Tack unique is its proprietary, low tack self-adhesive. The special, low tack glue allows for easy, 100% bubble free application and residue free removal on glass and other smooth, flat surfaces. For surfaces including walls and boards with raised structure, we recommend testing prior to final application. The PolySatin family of products lay extremely flat, both on the printer and in final application.

BEST FOR CLEAR / TRANSLUCENT (REMOVABLE)

36WJ48 WinkJET™ UltraLUX Matte
Window Film with Tack - 8 mil



» Print...Install...Remove. Films that are applied or adhered to windows or other translucent surfaces for short term application need to be easy to print, easy to install, and easy to remove.

» **36WJ48** UltraLUX with Tack is a fast dry, front-print, polyester, backlit film with a proprietary, low tack self-adhesive. This special, low tack glue allows for easy, 100% bubble free application and residue free removal from glass and other flat surfaces. The entire UltraLUX family features superior water resistance, scratch resistance and fade resistance without sacrificing print quality and drytime. The super absorbent, inkjet coating provides solid blacks and rich colors when illuminated.

BEST FOR OUTDOOR WALL AND FLOOR

32TWJ20 WinkJET™ Removable Gloss
Outdoor Surface Film White - 9 mil



» Removable WinkJET™ by Relyco is the easiest, safest and most environmentally friendly way to turn almost any space into an advertising opportunity.

New product » **32WJ20** Removable White is a 2 mil, non PVC, pressure sensitive film with a 7 mil, layflat release liner, developed for use on walls, sidewalks, roadways, parking lots and other unsealed, outdoor surfaces for short term event promotion. With quick and easy installation, the graphic will conform to the texture of the surface to which it is applied, creating the look of permanent, painted graphics, rather than applied signs or decals. A standard pressure washer can be used to wash away the graphic when the event or promotion is over.

Also See:

» **32WJ21** WinkJET™ Removable
Gloss Outdoor Surface Film Clear - 9 mil

Stretching the Options for Canvas

Flexibility and versatility make solvent printers the perfect solution for canvas.

The demand for printed canvas has ballooned in recent years and it doesn't show any sign of slowing down. Today's market reaches well beyond traditional wedding and portrait studios, to commercial and home decorating and fine art licensed duplication. The technology of choice is no longer just water-based inkjet. Today, solvent inkjet, with its highly flexible ink that is so important for gallery wraps, might just offer the perfect solution for flexibility, versatility and speed.



BEST FOR HIGH QUALITY PHOTO AND FINE ART

31WJ34 WinkJET™ SG
Semi-Gloss Canvas - 17 mil



» "Gallery Wrap Canvas" with premium print performance and 180° folding without edge cracking.

New product » **31WJ34** WinkJET™ SG is a premium, bright white, inkjet coated canvas designed to produce solid blacks, vivid colors and smooth gradients. The 17 mil, poly/cotton blend, with a 1:1 weave structure, provides a flexible base for easy stretching without cracking. WinkJET™ SG canvas is compatible with solvent, latex and UVC printers.

Also See:

» **31WJ46** WinkJET™ S Satin
1:1 Canvas

» **31WJ33** WinkJET™ Matte
1:1 Canvas

BEST FOR DÉCOR PRODUCTION MATTE

31WJ29 WinkJET™ Matte
Production Canvas - 21 mil



» The economical solution for the growing demand of décor canvas for applications ranging from commercial and home decorating to fine art duplication.

New product » **31WJ29** WinkJET™ Matte is designed from the bottom up with high volume production in mind. Starting with a 2:1 weave structure made of a traditional poly/cotton blend; WinkJET™ Matte features a high performance, matte coating, a natural looking finish and uniform structure.

Also See:

» **31WJ33** WinkJET™ Matte
1:1 Canvas

BEST FOR EVERYDAY PHOTO AND FINE ART

36WJ09 WinkJET™ Satin
Canvas - 17 mil



» An everyday canvas should be economical and offer good characteristics for print production and post process finishing.

» **36WJ09** WinkJET™ Satin is a premium, bright white, inkjet coated canvas designed to produce solid blacks, vivid colors and smooth gradients. The 17 mil, poly/cotton blend, with a 1:1 weave structure, provides a flexible base for easy stretching without cracking. WinkJET™ Satin canvas is compatible with solvent, latex and UVC printers.

Also See:

» **31WJ46** WinkJET™ S Satin
1:1 Canvas

» **31WJ33** WinkJET™ Matte
1:1 Canvas

BEST FOR DÉCOR PRODUCTION GLOSS

31WJ23 WinkJET™
Gloss Canvas - 13 mil



» A glossy, textile fabric for price conscious, décor projects that offers soft hand, smooth finish and good tear resistance.

New product » **31WJ23** WinkJET™ Gloss is designed from the bottom up with high volume production in mind. Starting with a 1:1 weave structure and a 100% polyester base, WinkJET™ Gloss features a high gloss coating that delivers rich blacks and brilliant colors. The absence of cotton compared to traditional canvas products makes WinkJET™ Gloss ideal for gallery wrap, stretching and framing applications. There will be no edge cracking and no sagging with this canvas.

Also See:

» **33WJ94** WinkJET™ Textured
Polypropylene

Expanding Outdoor Advertising Space!

Simply roll it on and wash it away...



When was the last time you heard about something truly new; something groundbreaking?

Relyco has teamed up with Green Surface Technologies to develop a new print media that will change the way you think about outdoor advertising. We are not talking about billboards, window graphics or skywriting. New Relyco WinkJET™ Removable Films will easily and quickly transform any unsealed, outdoor surface into advertising potential. Gone are the days of PVC based products that require a certified installer, an afternoon and a heat gun to transform a blank outdoor space into a viable advertising message. Do we have your attention?

BEST FOR OUTDOOR WALL AND FLOOR (WHITE / BLOCKOUT)

32WJ20 WinkJET™ Removable Gloss Outdoor Surface Film White - 9 mil



» WinkJET™ Removable by Relyco is the easiest, safest and most environmentally friendly way to turn almost any space into an advertising opportunity.

BEST FOR OUTDOOR WALL AND FLOOR (CLEAR)

32WJ21 WinkJET™ Removable Gloss Outdoor Surface Film Clear - 9 mil



» Use WinkJET™ Removable on outdoor, rough, porous surfaces such as walls, sidewalks, roadways and parking lots for short term event promotion.

BEST FOR OUTDOOR PERMOVABLE GRAPHICS INSTALLATION

32WJ19 WinkJET™ Removable Matte Transfer Tape - 4 mil



» Relyco Transfer tape is supplied free with every roll of WinkJET™ Removable . Apply directly on top of the printed surface within 2-4 hours of printing. Use a roll to roll lami-nator for the best application to marry the tape and film together.

DID YOU KNOW?

Helpful Hints from Relyco...

ARE PERMOVABLE FILMS SLIP RESISTANT?

WinkJET™ Removable films exceed the coefficient of friction requirements under ASTM C-1028 testing for "Non-Slip".

New product

» **32WJ20** WinkJET™ Removable Gloss is a 2 mil, non PVC, pressure sensitive film with a 7 mil, layflat release liner, developed for use on walls, sidewalks, roadways, parking lots and other unsealed, outdoor surfaces for short term event promotion. With quick and easy installation, the graphic will conform to the texture of the surface to which it is applied, creating the look of permanent, painted graphics, rather than applied signs or decals. A standard pressure washer can be used to wash away the graphic when the event or promotion is over.

New product

» **32WJ21** WinkJET™ Removable Clear is a 2 mil, non PVC, pressure sensitive film with a 7 mil, layflat release liner, developed for use on walls, sidewalks, roadways, parking lots and other unsealed, outdoor surfaces for short term event promotion. With quick and easy installation, the graphic will conform to the texture of the surface to which it is applied, creating the look of permanent, painted graphics, rather than applied signs or decals. A standard pressure washer can be used to wash away the graphic when the event or promotion is over.

» **32WJ19** WinkJET™ Removable Transfer Tape is a low tack, moderate peel strength, paper application tape specially designed for Relyco WinkJET™ Removable films. The product consists of a self-wound, latex saturated backing, coated with a specially formulated, latex, pressure sensitive adhesive. It was designed for ease of lamination to and removal from non-PVC films.

Choosing the Right Banner

Relyco takes the mystery out of matching the right media with the right printer and application.

All Relyco solvent banner uses a high quality, polyester fiber weave fused between two vinyl layers for a smooth print surface and a bright white finish.

**BEST FOR
SMALL
ECONOMICAL
SINGLE SIDED (GLOSS)**

31WJ04 WinkJET™ BestBet Gloss
Vinyl Banner - 10 oz



Weight: 10 oz per Yard
Yarn Weight: 200 x 500 Denier
Thread Count: 18 x 12 thread per inch
Thickness: 11 mil
Support Cloth: Polyester
Tensile Strength: 600/650 (warp/weft N/5CM)
Tear Strength: 80/95 (warp/weft N/M)
Low Temp Crack: -10° C

Top Pick

**BEST FOR
LARGE
SHORT TERM
SINGLE SIDED (GLOSS)**

31WJ06 WinkJET™ BestBet Gloss
Vinyl Banner - 13 oz
31WJ07 WinkJET™ BestBet Matte
Vinyl Banner - 13 oz



Weight: 13 oz per Yard
Yarn Weight: 300 x 500 Denier
Thread Count: 18 x 12 thread per inch
Thickness 3106: 13 mil
Thickness 3107: 14 mil
Support Cloth: Polyester
Tensile Strength: 650/800 (warp/weft N/5CM)
Tear Strength: 110/125 (warp/weft N/M)
Low Temp Crack: -10° C

**BEST FOR
LARGE
SHORT TERM
SINGLE SIDED (MATTE)**

31WJ10 WinkJET™ SureBet
Gloss Mesh Banner - 8 oz



Weight: 8 oz per Yard
Yarn Weight: 1000 x 1000 Denier
Thread Count: 9 x 9 thread per inch
Thickness: 5 mil
Support Cloth: Polyester
Mesh Count: 70 / 30 Mesh
Tear Strength: 200/115 (warp/weft N/M)
Low Temp Crack: -10° C
>63" includes PVC Liner

Top Pick

**BEST FOR
LARGE
LONG TERM
2 SIDED (MATTE)**

31WJ18 WinkJET™ SureBet Matte
Vinyl Banner 2 Sided - 18 oz



Weight: 18 oz per Yard
Yarn Weight: 500 x 500 Denier
Thread Count: 28 x 28 thread per inch
Thickness: 18 mil
Support Cloth: Polyester
Tensile Strength: 1850/1350 (warp/weft N/5CM)
Tear Strength: 240/220 (warp/weft N/M)
Low Temp Crack: -10° C

**BEST FOR
SMALL
SHORT TERM
2 SIDED (MATTE)**

31WJ09 WinkJET™ SureBetMatte
Vinyl Banner 2 Sided - 13 oz



Weight: 13 oz per Yard
Yarn Weight: 250 x 250 Denier
Thread Count: 36 x 36 thread per inch
Thickness: 14 mil
Support Cloth: Polyester
Tensile Strength: 1300/1100 (warp/weft N/5CM)
Tear Strength: 120/110 (warp/weft N/M)
Low Temp Crack: -10° C

**BEST FOR
LARGE / ULTRA DURABLE
LONG TERM
SINGLE SIDED**

31WJ20 WinkJET™ SureBet T-
Max Gloss Vinyl Banner - 13 oz

31WJ21 WinkJET™ SureBet T-
Max Matte Vinyl Banner - 13 oz



Weight: 13 oz per Yard
Yarn Weight: 1000 x 1000 Denier
Thread Count: 9 x 9 thread per inch
Thickness: 14 mil
Support Cloth: Polyester
Tensile Strength: 1500/1200 (warp/weft N/5CM)
Tear Strength: 240/190 (warp/weft N/M)
Low Temp Crack: -10° C

--Compatible Printers--



Epson® GS 6000
Epson UltraChrome GS ink

» <http://www.epson.com>



Epson® SureColor Series
Epson UltraChrome GS2 ink

» <http://www.epson.com>



Hewlett Packard® DJ 8000s, 9000s, 10000s
Low-Solvent Ink

» <http://www.hp.com>



Mimaki® JV3
ES3, SS21 ink

» <http://www.mimakiusa.com>



Mimaki® JV3
ES3, SS21 ink

» <http://www.mimakiusa.com>



Mimaki® JV5
ES3, HS, Eco-HS1

» <http://www.mimakiusa.com>

When possible, we publish printer settings charts for printers on which we have determined the best "standard" setting. These can be used as a starting point, from which you can relinearize to further refine ink limits and color balance, or they can be used as is for print production.

Custom profiles are relatively easy to make today. Many printer and RIP manufacturers offer this as a service or will even walk you through the process online. Additionally, printer and RIP manufacturers provide a wide array of standard and custom printer settings with the standard installed version of their product. Frequently there is an intuitive setting, that matches either the material or the finish, that is a perfect match for our media. For example, "Canvas for Solvent 340 satin" for canvas, "Solvent Glossy Paper" for photo paper, or "Generic Vinyl 1" for banner.

» **If you are experiencing drying issues:**

Turn down the heat in 5 degree increments ("pre heat" or "print heat") on your printer. This sounds counter intuitive, but higher temperatures open the pores of the media's coating too much and they don't have time to close before the print reaches the take-up roller. As a general starting point, set your "pre heat" or "print heat" to 35°C and your "post heat" or "dryer heat" to 40°C.

» **If you are experiencing coalescing or bleeding:**

Turn up the heat in 5 degree increments ("pre heat" or "print heat") on your printer. As a general starting point, set your "pre heat" or "print heat" to 35°C and your "post heat" or "dryer heat" to 40°C.

You can also try switching to a higher resolution print setting. This increases the time between passes and produces smaller ink droplets, allowing for better drying.

» **If you are experiencing head strikes:**

Check the thickness of your media and raise the platen gap / head height accordingly. If the media has a strong curl to it, feed the first few inches past the exit roller and front lip of the platen to avoid the curled leading edge.

--Compatible Printers--



Mutoh® ValueJet Series
Eco-Ultra Ink

» <http://www.mutoh.com>



Roland® XJ Series
ECO-SOL MAX

» <http://www.rolanddga.com>



Roland® XC Series
ECO-SOL MAX

» <http://www.rolanddga.com>



Roland® SP
ECO-SOL MAX

» <http://www.rolanddga.com>



Roland® VS Series
ECO-SOL MAX

» <http://www.rolanddga.com>



**Seiko® ColorPainter
W, H Series**
Mild Solvent Ink

» <http://www.seiko.com>

» **If you are experiencing curing problems:**

Turn up the heat ("pre heat" or "print heat") on your printer. Relyco coated media can accept a high inkload without bleeding or coalescing, but with high inkloads, sometimes the ink cannot cure before the print reaches the take-up roller. If you have already reached the maximum heat setting on your printer without causing warping, buckling or other problems, allow the print to cure, flat and uncovered, overnight.

» **If you see banding (white lines between passes):**

Slow down the media feed. The media is advancing too quickly, leaving a space between ink passes from the carriage. If the printer and software has an option to run a "media feed calibration," do so and follow the prompts. This will adjust the speed at which the media is fed through the printer.

This can also be caused by too much or uneven tension from the media take-up reel. Unroll some of the media on the take-up and allow for some slack in the path. This will allow the media to feed from the mechanism on the platen rather than being pulled by the take-up reel. As long as the media interacts with the sensor (usually at the bottom of the printer), the take-up reel will still engage and collect the media.

» **If you see banding (dark lines between passes):**

Speed up the media feed. The media is advancing too slowly, overlapping consecutive ink passes from the carriage. If the printer and software has an option to run a "media feed calibration," do so and follow the prompts. This will adjust the speed at which the media is fed through the printer.

This can also be solved by reducing the vacuum settings. This will allow the media to feed smoothly, without interference.

» **If you are experiencing buckling or warping:**

Too much heat in the earlier stages ("pre heat" or "print heat") may cause the media to buckle. Turn down this early stage heat on your printer. You can compensate by increasing the "post heat" or "dryer heat" by 1 or 2 degrees Celsius if you then see coalescing or bleeding.

Just because you **CAN** print on anything...
Doesn't mean you **SHOULD**.



Relyco Inkjet Media...

MORE CHOICES for EVERY PRINTER and EVERY APPLICATION
SOLVENT / AQUEOUS / UV CURE / LATEX / "GREEN"



How to Buy from Relyco

For Relyco Digital Imaging product information, please call 1-800-777-7359 or visit our website: **www.relyco.com** where you can find more product information, and request samples and expert advice

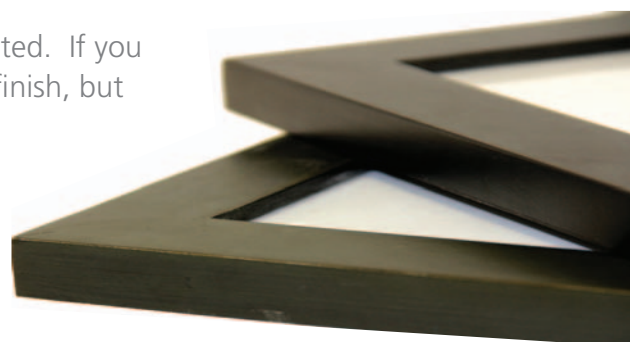
How to Choose the Right Photo Paper

Relyco breaks down the top photo applications and the right media to match.

Choosing the right photo paper can be as simple as it can be complicated. If you go by the numbers, you could differentiate the products by caliper or finish, but that doesn't really help you choose the right paper, does it?

Relyco manufactures a full portfolio of photo papers for every application that feature wide color gamut, accurate skin tones, rich blacks and fast drytimes.

Locate the application below that best describes what you are trying to make and you will find Relyco's recommendation for the right media to match.



BEST FOR EVERYDAY POSTERS

36WJ20 WinkJET™
Satin Photo Paper - 8 mil



» Looking for an everyday photopaper that offers excellent print quality and easy handling for post production processing?

Top Pick

» **36WJ20** WinkJET™ is a universal instant dry, satin photo paper. The 8 mil thickness is designed to maximize printing and post production work. The microporous coating means your prints will be instantly dry and water resistant. The neutral base color provides the ideal starting point for advanced color work and accurate prints.

BEST FOR MOUNTING / PROTOTYPES

36WJ70 WinkJET™
Pearl Photo Paper PSA - 9.5 mil



» If you want to create a poster adhered to a mounting board or other surface, why make the process more complicated than it has to be?

Top Pick

» **36WJ70** WinkJET™ PSA is an instant dry, 7 mil photo paper with a proprietary base paper and coating that allows for maximum flexibility without cracking - even for 90° folds in prototype applications. The specially formulated adjustable adhesive allows for easier application to a variety of mounting surfaces.

BEST FOR FRAMING / GALLERY

39WJ44 WinkJET™
Satin Photo Paper - 9 mil



» Perfect for framing or gallery quality prints, when everyday photopaper is too thin.

» **39WJ44** WinkJET™ Satin is a 9 mil instant dry, satin photo paper designed to produce the brilliance of color and depth of detail required for gallery quality collections.

BEST WITH DYE INK PRINTERS

45WJ18 WinkJET™
Satin Photo Paper - 7.5 mil



» If you still have a HP5000 / 5500 with dye ink or a new CAD printer with dye ink, most photo papers will print great initially, but turn "green" due to ozone exposure within a short period of time.

» **45WJ18** WinkJET™ CAD Satin is a 7.5 mil satin photopaper designed to maintain color stability with dye ink. The unique coating design offers instant dry performance with a premium photo finish.

Compatible printers include but are not limited to:
HP 5000 / 5500
HP 500, 1050, 4000
HP T100, T1200, T1700
Canon iPF 500 / 600 / 700 / 800

BEST FOR PORTRAITS / WEDDING

07WJ22 WinkJET™
Lustre Photo Paper - 9.5 mil



» No matter what technology one uses to generate a wedding or portrait reprint, that “pebble” finish that makes prints sparkle, known in the industry as “lustre” or “e-surface” is still the preferred surface for photographers and their clients.

» **07WJ22** WinkJET™ is a premium 9.5 mil, instant dry photo paper with a “lustre” finish reminiscent of traditional silver halide papers for wedding and portraiture. 07WJ22 WinkJET is also designed to produce the brilliance of color and depth of detail required for wedding memories and gallery quality collections.

BEST FOR UNIVERSAL ECONOMY

36WJ98 WinkJET™
Pearl Photo Paper - 7 mil



» When pennies count, finding a lower cost paper that still has the color gamut, density and drytime of its more expensive cousins is not always easy.

» **36WJ98** WinkJET™ is designed from top to bottom to offer an eco-nomical solution. It starts with a 7 mil Flexible base paper a satin textured finish and an instant dry coating, all designed to maximize economy and production.

BEST FOR MOST VIBRANT COLOR

07WJ69 WinkJET™
Super Gloss Photo Paper - 9.5 mil



» When you need maximum density and color pop, look no further than Super Gloss.

» **07WJ69** WinkJET™ Super Gloss is not your average photo paper. The super gloss coating doesn't just offer higher gloss levels, it also delivers outstanding color pop, rich blacks and jaw dropping sharpness.



Rolling out the Choices for POS Graphics

See why this demanding application requires a calculated approach

Choosing the right point of sale, retractable, pop-up, or tradeshow display Film is a complex equation balancing durability and cost. A low cost graphic that looks great but tears too easily is no more successful than an indestructible graphic that only needs to last for one event. The choices can be overwhelming. That is where Relyco comes in...

Polyester Film

The top choice for durable banners and POS signage because of its tear resistance and layflat qualities.

Polypropylene

The economical choice for short term banners and POS signage because of its lower tear resistance and durability.

Polyester Fabric

A unique look and feel, fabric offers soft hand, "drape" with good tear resistance and layflat.

Tri-Lam

A new economical choice only from Relyco. The unique tri-lam construction offers a good balance between cost and durability.



**BEST FOR
ROLLUP BANNERS / POS
WITHOUT "SHINE THRU"
(POLYESTER)**

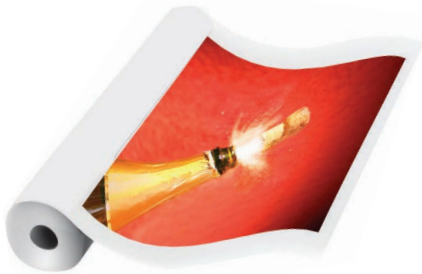
31WJ70 WinkJET™ Instant
Dry Gloss Roll-up Film - 7 mil

**BEST FOR
ROLLUP BANNERS / POS
(POLYESTER)**

31WJ71 WinkJET™ Instant
Dry Gloss Roll-up Film - 5 mil

**BEST FOR
DURABLE EXHIBIT GRAPHICS
(VELCRO / MAGNETIC)
WITHOUT "SHINE THRU"
(POLYESTER)**

31WJ72 WinkJET™ Instant
Dry Gloss Roll-up Film - 10 mil



» Maximum durability, vivid color and universal compatibility for any POS application with "shine-through protection"



» For an economical alternative to 31WJ70 WinkJET, we made the film a little thinner and removed the "shine-through" protection. Same durability and "color pop".

» **31WJ71** WinkJET™ Roll-up is a 5 mil white polyester film with the same instant dry glossy finish as 31WJ70 WinkJET. This thinner version is designed for more economical projects where light blockout is not required. 31WJ71 WinkJET can be paired with either low-melt or pressure sensitive overlaminate for additional protection and thickness or used un laminated.



» Looking to pair a thick print film with a thick overlaminate to create an indestructible exhibit graphic?

» **31WJ72** WinkJET™ Roll-up is a 10 mil white polyester film with an instant dry glossy finish for outstanding "color pop" and a grayback for 100% light blockout. The durable 10 mil polyester construction is intended to pair with 10 or 15 mil overlaminates to create an indestructible tradeshow panel engineered to withstand repeated rolling and unrolling without tearing or edge fraying. 31WJ72 WinkJET is the ideal media for tradeshow, retail and other point-of-purchase displays.

Top Pick

» **31WJ70** WinkJET™ Roll-up is a 7 mil white polyester film with an instant dry glossy finish for outstanding "color pop" and a gray-back for 100% light blockout. The durable construction is engineered to withstand repeated rolling in portable display units without tearing or edge fraying. 31WJ70 WinkJET can be paired with either low-melt or pressure sensitive overlaminate for additional protection and thickness or used un laminated.

**BEST FOR
ROLLUP BANNERS
(TEAR RESISTANT TRI-LAM)**

36WJ74 WinkJET™ Satin
POS Rollup Tri-Lam - 9 mil



» Looking for a roll-up material that prints like paper but is durable and tear resistant like film? This is it.

**BEST FOR
FIRE RETARDANCY
OR SOFT HAND
(POLYESTER FABRIC)**

35WJ02 WinkJET™ Show Matte
Fire Retardant Banner - 12 mil

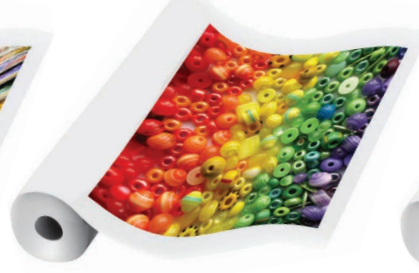


» Fabric offers soft hand and pleasing drape with good tear resistance and layflat qualities

» **35WJ02** WinkJET™ is a 12 mil, flame retardant (M1 certified), ultra durable, water-resistant banner. The M1 certification is the best in class certification for flame spread and a common requirement for tradeshow and other installations. 35WJ02 WinkJET™ has a bright white, outdoor durable coating and a flexible, tear resistant base, making it ideal for applications ranging from rollup displays to outdoor banners.

**BEST FOR
VALUE BANNERS
(POLYPROPELENE)**

39WJ00 WinkJET™ Matte
Polypropylene - 6 mil



» Not every banner needs to withstand repeated rolling and unrolling. Need a retractable or hanging banner for short term use? This is it.

» **39WJ00** WinkJET™ is a premium, high performing polypropylene film with a 6 mil thick base and a bright white, outdoor durable, matte print surface for universal compatibility. 39WJ00 WinkJET also features anti-curl coating technology to minimize curl pre and post application.

**BEST FOR
DYE INK PRINTERS**

31WJ74 WinkJET™ Gloss
Display Film - 4 mil



» If you still have an older printer with dye ink or a new CAD printer with dye and pigment black, or just prefer the "pop" of dye ink, we've got you covered!

» **31WJ74** WinkJET™ Film is a 4 mil, high-gloss, durable polyester film with unsurpassed imaging performance. Unlike microporous display films, WinkJET™ Film can be printed with dye ink and left unlaminated, without fear of color shift due to ozone exposure. For increased durability, 31WJ74 WinkJET can be overlaminated with pressure sensitive or low melt overlaminate for an ultra durable rollup display.

New Product

» **36WJ74** WinkJET™ is a 9 mil Trilam which utilizes a proprietary construction to provide excellent tear resistance, opacity and stiffness without long term cupping, or warping. The "low glare" coating provides instant drytimes with "plug and play" printing when selecting standard "photo-paper" mode on most printers. 36WJ74 WinkJET is an economical alternative to polyester for short term tradeshow graphics.

DID YOU KNOW?

Helpful Hints from Relyco...

MATCHING PRINT FILMS AND OVERLAMINATES

Matching similar thickness and material types of print films, overlaminates and backers is the best way to create an ultra durable "sandwich" for your graphics. For example, 6 mil printable polyester and 15 mil polycarbonate overlaminate is not a good solution. The rigid polycarbonate will ultimately delaminate from the polyester face film and the most inopportune time.

For backwall displays (>20mil) start with a 9-12 mil film pair it with a 10-15 mil laminate.

*For retractable displays (<12 mil) start with a 4-9 mil film and pair it with a flexible overlaminate <5 mil thick.

* if using an overlaminate

APPLYING VELCRO STRIPS OR MAGNETIC TAPE

Before you apply full 1" velcro strips to every edge of your tradeshow graphic, remember your graphics will likely be rolled and stored for an extended period of time. By applying velcro in 1/2" strips and slitting the pieces every 12"-24" to align with the diameter of the roll you can prevent the velcro from buckling during extended storage which will ultimately help prevent delamination and extend the life of your graphics.

Or follow this simple mantra...
Don't overuse velcro.

HOW TO ROLL TRADESHOW GRAPHICS

Since tradeshow graphics go through a tremendous amount of stress from rolling and unrolling, everything that can be done to minimize this stress can help prevent delamination and extend the life of your graphics.

For shipping and storing:
Roll laminated graphics image side out (this refers to the side on which the ink is printed) no smaller than a 9" radius. If possible, store flat for longer storage periods. If velcro is applied to the backside, place a slip sheet or protective paper next to the velcro to prevent it from scratching your finished surface.

When is Clear not Clear?

How to choose the right clear film

Choosing the right clear film is a simple game of A,B or C.

A = Clarity

B = Print density

C = Both

Once you have determined which characteristic is most important to you, simply match the compatibility with your printer.



Simple right?

Don't worry if you are still confused? We'll help you through it.

DID YOU KNOW?

Helpful Hints from Relyco...

WHAT IS A WET INSTALL?

A "wet" install refers to a method of applying adhesive products that uses an application fluid, a squeegee and a little patience. The result is a much cleaner and clearer install in the end (but it does require some experience). WinkJET features a unique waterbased adhesive that becomes cloudy for the first 24-48 hours after "wet" install, yet dries optically clear.

BEST FOR CLEAR GRAPHICS (HIGH INK LOAD)

31WJ48 WinkJET™ Gloss Clear Film with Interleaf - 4 mil

BEST FOR OVERLAYS (LOWER INK LOAD)

31WJ62 WinkJET™ Gloss Clear Film with Side Stripe - 4 mil

BEST FOR WINDOW GRAPHICS

31WJ66 WinkJET™ ClearApply Gloss Clear Film with Adhesive - 2 mil

BEST FOR HIGH DENSITY NEGATIVES OR POSITIVES

31WJ60 WinkJET™ Gloss Screen Positive Film - 5 mil



» Tired of clear films that don't dry or aren't really clear?

» 31WJ48 WinkJET™ Clear Film with Interleaf is the clearest inkjet film available today. This 4 mil film features extremely fast drytimes, and high inkload capacity without sacrificing true optical clarity. 31WJ48 WinkJET also features an acid free interleaf paper to prevent scratching as the film feeds through any printer. The interleaf paper provides universal compatibility with printers utilizing media sensing systems and provides needed contrast for print viewing prior to application. 31WJ48 WinkJET is designed for film separations, window graphics, package prototyping and other applications requiring optical clarity.



» Looking for a clear film for plate separations, overlays or other applications that require clarity but less than 200% inkload?

» 31WJ62 WinkJET™ Clear Film with Side Stripe is a 4 mil, universally compatible clear polyester film with removable side stripes. The side stripe enables compatibility with HP and other brand printers that search for the media edge before printing. The universal coating is designed to provide good print performance and still maintain the clarity of the film.



» Tired of window films that are hard to apply, or are more frosted than clear?

» 31WJ66 WinkJET™ is a 2 mil clear polyester film with an unmatched optically clear inkjet coating on the image side. On the reverse side, 31WJ66 WinkJET features an optically clear, repositionable adhesive with a polyester release liner that provides universal compatibility with printers utilizing media sensing systems and provides needed contrast for print viewing prior to application. WinkJET 31WJ66 is ideal for interior application to virtually any surface. Can be installed "wet" or dry.



» Looking for a screen positive or negative film with a low Dmin (haze) and a high Dmax (k density) and instant dry? 31WJ60 WinkJET™ Screen Positive Film delivers.

» 31WJ60 WinkJET™ Screen Positive is a 5 mil, dimensionally stable polyester film, featuring a low UV Dmin a high UV Dmax. 31WJ60 WinkJET uses a unique microporous coating designed specifically for use in creating screen positives and negatives with dye or pigment aqueous ink jet printers.

Shedding Some Light on Backlit

What really matters when comparing backlit films?

Choosing the right backlit film can be tricky. Let's be honest. The most important aspects when choosing a backlit film are density, density, and density. Regardless of whether your graphic is going inside or outside, whether it is large or small, mounting to plexi-glas or "sandwiching" between two layers, you want your blacks to be dark, your colors vibrant and your graphic flat.

Relyco will show you how.



DID YOU KNOW?

Helpful Hints from

Relyco...

WHAT IS RelycoTACK?

The proprietary low tack self-adhesive and liner combination, applied to the backside of a variety of Relyco film products, allows for easy, 100% bubble-free application and residue-free removal on glass surfaces.

BEST FOR INDOOR BACKLIT DISPLAYS

31WJ79 WinkJET™ BlackLUX
Matte Backlit Film 8.5 mil



» Quite simply the best universal aqueous backlit film on the market today. This film offers everything you want and nothing you don't.

BEST FOR OUTDOOR BACKLIT DISPLAYS

31WJ81 WinkJET™ Outdoor
BlackLUX Matte Backlit Film - 5.5 mil



» Long term outdoor durability with aqueous inks is not something you can achieve with an overlaminate and an edge sealer. So if you want the speed and quality of aqueous printers with the durability of solvent..Relyco has you covered

» **31WJ81** Outdoor BlackLUX Backlit Film is a 5 mil, instant dry, front-print, polyester backlit film designed for outdoor durable displays. The special inkjet coating provides superior water resistance, scratch resistance and fade resistance without sacrificing print quality and drytime. 31WJ81 Outdoor BlackLUX is also OBA free, so the background color will not fade over time.

BEST FOR WINDOW GRAPHICS (EASY ON AND OFF)

39WJ89 WinkJET™ WindowFX
Matte Film with RelycoTack - 8 mil



» Print...Install...Remove. Short term window films need be easy to print, easy to install, and easy to remove.

» **39WJ89** WinkJET™ WindowFX is a short-term outdoor durable backlit film designed specifically for window applications. The proprietary low tack self-adhesive on the backside allows for easy, 100% bubble-free application and residue-free removal on glass surfaces.

BEST FOR DYE INKJET PRINTERS

39WJ03 WinkJET™ Backlit Film
Gloss with EasyTack™ - 7 mil



» If you still have an older printer with dye ink because you know that dye ink still has the best color saturation for backlit displays, this is the right film for you.

» **39WJ03** WinkJET™ Backlit Film is a 7 mil, front-print polyester backlit film with a proprietary low tack self-adhesive. The special low-tack glue allows an easy, 100% bubble-free application and residue-free removal on glass and other flat surfaces. 39WJ03 Backlit Film is designed specifically for compatibility with dye ink printers for indoor window applications or short term outdoor with the protection of an overlaminate and edge sealant.

Top Pick
New Product

» **31WJ79** BlackLUX is a 8.5 mil, instant dry, front-print, polyester backlit film that can be displayed with either daylight or backlight. The super absorbent matte inkjet coating provides instant drytimes and ultra wide color gamut with "plug and play" printing when selecting standard "backlit film mode on most printers.

Sticking to the Right PSA Solution!

How to avoid a sticky mess by choosing the right adhesive media.

Choosing the right PSA solution requires only two pieces of information. What are the properties of the mounting surface and how long do you want it to stay there?

OK, there's a little more to it than that!

Here are some basic facts to help figure out the difference between the base material choices.

Paper certainly does not have the flexibility, tear resistance or durability of vinyl, but it also won't shrink over time and is easier to apply. Relyco WinkJET™ PSA, features a premium instant dry coating, low glare finish, and an adjustable adhesive, perfect for posters or prototypes.

Polyester is dimensionally stable so it won't tear or shrink. In the case of 31WJ66 ClearTACK™, it can also be extremely clear.

Vinyl is soft and flexible, won't tear easily and is extremely durable. However, vinyl shrinks over time. This is especially a problem when printing edge to edge.

Polypropylene is a good balance between cost and durability. It has better tear resistance and durability than paper, but is certainly not tearproof. Polypro, like paper, won't shrink over time and is offered by Relyco both with an EasyTACK™ adhesive (Easy on...Easy off) and a permanent adhesive.

BEST FOR ROUGH / TEXTURED SURFACE (VINYL) OUTDOOR

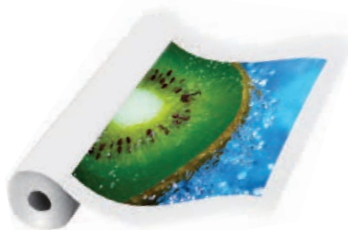
39WJ88 WinkJET™ Classic
Matte Vinyl PSA - 6 mil



- » Rough textured walls
- » Coroplast, or other ridged board surfaces

BEST FOR MEDIUM / TEXTURED SURFACE (VINYL) OUTDOOR

31WJ75 WinkJET™ Matte
Outdoor Adhesive Vinyl - 6 mil



- » Medium textured walls
- » Sintra, plywood or other "smooth" board surfaces

BEST FOR CLEAR SURFACE INDOOR REMOVABLE

31WJ66 WinkJET™ ClearTACK
Gloss Clear Film with Adhesive - 2 mil



- » Windows or glass
- » Clear or other smooth surfaces
- » Tired of window films that are hard to apply, or are more frosted than clear?

BEST FOR SMOOTH SURFACE REMOVABLE WALL GRAPHICS (POLYPRO)

35WJ39 WinkJET™ SynTECH Matte
Polypro with RelycoTack™ - 9 mil



- » Smooth surfaces (glass or smooth walls)
Stick it and unstick it!
- » **35WJ39** WinkJET™ SynTECH is not your average bright white, matte coated, polypropylene. What makes 35WJ39 SynTECH unique is its proprietary low tack selfadhesive. The special low-tack glue allows an easy, 100% bubble-free application and residue-free removal on glass and other smooth flat surfaces.
- » For surfaces including walls and boards with raised structure, test prior to final application.

Top Pick

» **39WJ88** WinkJET™ Classic Vinyl is a premium, outdoor-durable, calendared vinyl for long lasting applications. The bright white inkjet coating provides universal compatibility on the most common dye and pigment ink printers. It also provides water and fade resistance for long term outdoor use. The permanent solvent adhesive is ideal for strong, lasting adhesion to flat and uneven surfaces.

Top Pick
New product

» **31WJ75** WinkJET™ Matte is a premium, outdoor-durable, calendared vinyl offering unparalleled outdoor durability and fade resistance with aqueous inkjet printers. The permanent acrylic adhesive is best used for flat surfaces. The matte, outdoor durable coating produces vivid color graphics, ideal for the most extreme applications.

» **31WJ66** WinkJET™ ClearTACK is a 2 mil clear polyester film with an unmatched optically clear inkjet coating on the image side. On the reverse side, ClearTACK features an optically clear, repositionable adhesive with an opaque, white polyester release liner. Relyco 31WJ66 ClearTACK Gloss is ideal for interior application to virtually any surface.

BEST FOR PACKAGE PROTOTYPES (90° TURNS)

36WJ70 WinkJET™ Pearl
Photopaper PSA - 7 mil

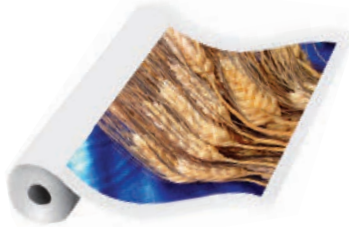


» If you want to create a poster adhered to a mounting board, or a packaging prototype why make the process more complicated than it has to be?

Top Pick » **36WJ70** WinkJET™ Pearl is an instant dry, 7 mil photo paper with a proprietary base paper and coating that allows for maximum flexibility without cracking - even for 90° folds in prototype applications. The specially formulated adjustable adhesive allows for easier application to a variety of mounting surfaces.

BEST FOR SHORT TERM OUTDOOR SMOOTH SURFACE (POLYPRO)

39WJ72 WinkJET™ SynTECH
Matte Polypro with Adhesive - 5 mil



» Permanent adhesive for long term indoor displays or an aggressive bond for short-term outdoor displays.

» **39WJ72** WinkJET™ SynTECH is a 5 mil, outdoor durable polypropylene film with a permanent acrylic adhesive. The permanent adhesive provides a strong, long-term bond for most applications. The durable matte coating provides universal compatibility with most aqueous inkjet printers.

BEST FOR WINDOW GRAPHICS (EASY ON AND OFF)

39WJ89 WinkJET™ WindowFX
Matte Film with RelycoTACK - 8 mil



» Print, install, remove. Short term window films need be easy to print, easy to install, and easy to remove.

» **39WJ89** WinkJET™ WindowFX Film is a short-term outdoor durable backlit film designed specifically for window applications. The proprietary low tack self-adhesive on the backside allows for easy, 100% bubble-free application and residue-free removal on glass surfaces. WindowFX can also be contour cut for unique shapes and letters.

BEST FOR INDOOR PERMANENT (VINYL)

36WJ35 WinkJET™ Standard
Matte Vinyl PSA - 6 mil



» The flexibility, application and durability of vinyl are still unmatched. Standard™ Vinyl is one of the best!

» **36WJ35** WinkJET™ Standard Vinyl is a flexible, 6 mil calendared vinyl with a permanent acrylic adhesive and a durable matte coating. The permanent acrylic adhesive provides a strong, long-term bond for most indoor applications. The durable matte coating provides universal compatibility on the most common aqueous inkjet printers.

DID YOU KNOW?

Helpful Hints from Relyco...

PERMANENT VS REMOVABLE

We're often asked what the difference is between permanent and removable adhesive. Permanent adhesives will generally activate on contact, making second chances for installation rather difficult. They also form a lasting bond, which means there is usually residue to remember them by if attempting to remove them. Removable adhesives are designed to come off with relative ease even after extended contact. And generally they remove with little or no residue remaining on the mounting surface. However, the longer a "removable adhesive" is left in place, the stronger the bond becomes. In other words, all removable adhesives eventually become permanent.

SOLVENT VS AQUEOUS

Solvent adhesive products tend to be more expensive, as the manufacturing of solvent based adhesives requires more stringent safety controls, yet solvent adhesives offer a more outdoor durable solution as the strength of their adhesive bond is not weakened by exposure to moisture. Solvent adhesives are really only required for long term outdoor applications (>5 years) such as vehicle wraps. For a life expectancy less than 3 years, either solvent or aqueous adhesives will do just fine.

DO I HAVE A SMOOTH SURFACE OR A TEXTURED SURFACE?

When graphic installers talk about smooth surfaces, they are usually talking about windows or mounting boards. Most walls have some texture from either the drywall, paint, or plaster. Low-tack adhesives (like RelycoTACK™) are designed for smooth surfaces. A textured surface does not provide enough surface area for the low-tack adhesive to grip and maintain its adhesion. For these surfaces, select any of our permanent or re-movable adhesive products.

You can always test the surface first. Cut a small piece of RelycoTACK™ film. After cleaning the wall surface with isopropyl alcohol, apply a small film sample with firm pressure. Check back 24 hours later to see if the edges have released from the wall or worse, the graphic has released entirely. If so, select a product with a more aggressive adhesive.

Tearing Apart the Myths About Banner

How to focus on the facts

When choosing the right banner material, durability and finishing are at the top of the list. For banner applications using aqueous inkjet, traditional scrim banner is still the most durable and most common. But don't ignore choices that offer fire retardency, environmentally friendly characteristics and economical alternatives if your banner is short term or for indoor use only.



BEST FOR LONG TERM INDOOR / OUTDOOR (SCRIM BLOCKOUT)

39WJ60 WinkJET™ Scrim Banner Matte Blockout - 15 mil

BEST FOR LONG TERM INDOOR / OUTDOOR (SCRIM)

36WJ04 WinkJET™ Intelli Banner Matte Scrim Banner - 15 mil

BEST FOR FIRE RETARDANT

35WJ02 WinkJET™ Show Banner Matte Fire Retardant Banner - 12 mil

BEST FOR ECONOMICAL INDOOR / OUTDOOR (PP)

39WJ00 WinkJET™ SynTECH Banner Matte Polypropylene - 6 mil



» Durable, dependable, water resistant banner for all applications. The backside blockout layer is perfect to block either sunlight from "washing-out" the color when displayed outside or to block spot lighting when displayed indoor banners.

» **39WJ60** Scrim Banner is a premium, opaque (Blockout), PVC banner. The embedded tear-resistant and flame retardant (B1) polyester fabric layer provides strength and durability. The ultra durable, water-resistant coating, provides a bright white, smooth surface for maximum print performance.



» For all those applications that require durable water resistant banner with *near* blockout characteristics. This is it!

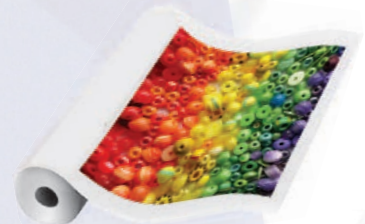
Top Pick

» **36WJ04** Intelli Banner is an economical alternative to 39WJ60 Banner. 36WJ04 Intelli banner features 99% opacity and an embedded tear-resistant, polyester fabric layer for strength. 36WJ04 features an ultra durable, water-resistant coating, and a bright white, smooth surface for maximum print performance.



» Fabric offers soft hand and pleasing drape with good tear resistance and layflat qualities

» **35WJ02** Show Banner is a 12 mil, flame retardant (M1 certified), ultra durable, water-resistant banner. The M1 certification is the best in class certification for flame spread and a common requirement for tradeshow and other installations. Show Banner has a bright white, outdoor durable coating and a flexible, tear resistant base, making it ideal for applications ranging from rollup displays to outdoor banners.



» Not every banner needs to withstand repeated rolling and unrolling. Need a retractable or hanging banner for short term use? This is it..

» **39WJ00** SynTECH is a premium, high performing film in a category of economy. SynTECH features a 6 mil thick base and a bright white, outdoor durable, matte print surface for universal compatibility. SynTECH also features anti-curl coating technology to minimize curl pre and post application.

Stretching the Options for Canvas

See how subtle differences can make a big difference to your final print.

Choosing the right canvas actually starts with how and whether you are going to finish your print.

Q: ARE YOU GOING TO STRETCH YOUR CANVAS?

A: 2:1 canvas is best for stretching as it is more flexible and won't crack on the corners.



Q: ARE YOU GOING TO APPLY AN OVERCOAT?

A: You can transform a matte canvas into a gloss canvas or vice versa with the application of an liquid overcoat.

DID YOU KNOW?

THE TRUTH ABOUT OPTICAL BRIGHTENER (OBA's)

There are more myths than truths floating around the industry about optical brighteners and their impact on archivability. OBA's are not inherently bad. And the presence or lack of OBA's does not inherently make something archival or not. OBA's do create the appearance of higher whiteness and richer printed colors. If unprotected, this will dissipate (fade) over a long period of time. In the case of canvas, the "faded" result will be similar to the original color of the base canvas. If you plan to use a liquid overcoat, this will protect the enhanced whiteness and significantly minimize the fading over time.

BEST FOR COLOR GAMUT AND BLACK DENSITY

31WJ85 WinkJET™ Illuminati
Semi Gloss Canvas - 19 mil



» Quite simply the best inkjet printable canvas on the market today. Premium print performance and 180° folding without edge cracking. "Gallery Wrap Canvas"

» **31WJ85** Illuminati Semi-Gloss is a premium canvas by every definition. With a 2:1 structure and a semi-gloss microporous coating, Illuminati is the ideal canvas for the most demanding photographers, artists and print shops. Illuminati works well with all leading brands of liquid coatings to help protect the image. It also has excellent flexibility so it can be stretched and folded without cracking.

BEST FOR ECONOMICAL PRINTS

35WJ79 WinkJET™ Deco
Brilliant Matte Canvas - 15 mil



» For price conscious projects, matte canvas that offers good quality print performance mixed with soft hand and even texture.

New Product » **35WJ79** Deco Brilliant is a 15 mil, bright white matte canvas with excellent print quality and color gamut designed for framed art or photo reproduction. Deco Brilliant uses a natural looking base that provides excellent opacity and strength and edge crack resistance from its unique ratio of polyester and cotton.

BEST FOR ARCHIVAL MATTE (NO OPTICAL BRIGHTENER)

38WJ57 WinkJET™ Art
Series Matte Canvas - 21 mil



» For installations that require archival properties, "OBA Free" coatings offer stable whitepoints for extended periods (read about OBAs and archiveability in our facts section).

» **38WJ57** WinkJET™ Art Series is a 21 mil, premium, matte canvas optimized for stretching without cracking. The Art Series Canvas is designed to provide excellent print quality, instant drytimes, and compatibility with all leading brands of liquid coatings to help protect the image and create the desired gloss level.

BEST FOR EVERYDAY CANVAS PRINTS

31WJ84 WinkJET™ UniVAS
Matte Canvas - 17 mil



» An everyday canvas should be economical and offer good characteristics for print production and post process finishing.

New Product » **31WJ84** WinkJET™ UniVAS Matte is a 17 mil, everyday quality canvas. With a 1:1 structure and a universal matte coating, UniVAS is universally compatible with dye and pigment ink. UniVAS works well with all leading brands of liquid coatings to help protect the image and create the final gloss level.

The Language of Matte Paper

Relyco helps translate the language of matte papers in to four easy choices.

Choosing the right matte paper is all about the numbers and the letters. 24lb or 32lb...C2S or C1S... If it's all "Greek" to you, decide which of the 4 categories below meet your application requirements and you will find Relyco's recommendation.



BEST FOR EVERYDAY POSTERS / SIGNS

31WJ43 WinkJET™ MAXcolor
175 Matte Paper - 7 mil



» Tired of matte papers that won't dry, cockle through to the backside or coalesce in high ink areas? Look no further. We call it MAX for a reason!

» **31WJ43** MAXcolor 175 is a bright white, premium matte paper that can tackle your most demanding inkload, drytime and shadow detail requirements. The instant dry matte finish provides "plug and play" printing when selecting standard "coated paper" or "heavyweight coated paper" mode on most printers. MAXcolor is ideal for a variety of applications as an economical alternative to photopaper.

BEST FOR HEAVYWEIGHT COATED PAPER

33WJ35 WinkJET™ ColorTRU
180 Matte Paper - 9 mil
*FSC Certified



» A heavy weight coated paper can be the right choice for many reasons including cost, weight, and finish. Why not also support the environment and choose it because it is "green".

Top Pick » **33WJ35** ColorTRU 180 is a bright white, matte paper. The instant dry matte finish provides "plug and play" printing when selecting standard "coated paper" or "Heavyweight coated paper" mode on most printers. ColorTRU is ideal for a variety of applications ranging from imposition proofing to low cost posters. The 99% opacity, minimizes show through when mounting to irregular or non-white surfaces.

» **33WJ33** ColorTRU 140

BEST FOR "GREEN" MEDIA (RECYCLED CONTENT)

33WJ02 WinkJET™ EcoColor
90 Matte Paper - 5 mil
*100% recycled content



» A light weight coated paper made from environmentally sound choices, in this case made from 100% recycled content.

» **33WJ02** EcoColor 90 is 24 lb "Green" C1S matte paper. Starting with a 100% recycled content, post consumer waste paper, we add no optical brightener or chlorine in our coating process. The final results is a "natural" looking, fast dry, water resistant, universally compatible matte paper.

» **33WJ03** WinkJET™ EcoColor 125 Matte Paper

BEST FOR PRINTABLE BOTH SIDES IMPOSITION PAPER

31WJ50 WinkJET™ Arizona
24lb Matte Paper - 4 mil



» Two side printable papers, also called C2S, are strictly defined by numbers. Basis weight, caliper, whiteness, brightness and roll length.

» **31WJ50** Arizona 24lb is a C2S smooth, bright white presentation paper. The instant dry matte finish provides "plug and play" printing when selecting standard "coated paper" or "Heavyweight coated paper" mode on most printers. Arizona 24lb is ideal for a variety of applications ranging from imposition proofing to low cost posters.

Also See

» **31WJ51** WinkJET™ Arizona 32 lb

Fabric Transfer Done Right.

How to make the perfect print and transfer every time.

Have you ever seen a customized t-shirt, bag or other garment and wondered how they were made? Short run customization would be too costly for silk screen, but EZprint fabric transfer material from Relyco allows you to print, cut and transfer economically. Even in batches as small as one.

Before you heat up your iron or setup you heat press, make sure you have selected the right transfer material and you have read our step by step instructions.



BEST FOR WHITE FABRIC

45WJ83 WinkJET™ EZprint Universal
Light Fabric Transfer - 3.5 mil



» Easy to use printable fabric transfer for light fabrics

» **45WJ83** WinkJET™ EZprint Universal Light Fabric Transfer is an inkjet printable fabric transfer specifically designed to be applied to light or white colored fabrics where the fabric color is required to show through. EZprint light should be reverse printed and then applied to the fabric using a heat press or home iron.

BEST FOR DARK FABRIC

45WJ78 WinkJET™ EZprint Universal
Dark Fabric Transfer - 4.2 mil



» Easy to use printable fabric transfer for dark fabrics

» **45WJ78** WinkJET™ EZprint Universal Dark Fabric Transfer is an inkjet printable fabric transfer specifically designed for black or dark colored fabrics, in order to produce great color "pop" on white backgrounds, completely blocking the fabric color. EZprint Dark should be printed forward facing and then applied to the fabric using a heat press or home iron.

DID YOU KNOW?

Helpful Hints from
Relyco...

PRINTER CUT INSTRUCTIONS:

- To prevent the blade cutting all the way through the release liner, lower the pressure setting substantially from standard vinyl and complete a test cut procedure

HEAT PRESS INSTRUCTIONS:

- 100% Cotton garments - 375°F / 20 sec
- For Poly/Cotton blends - 335°F / 15 sec

- Set heat-press pressure to firm or heavy

WASH INSTRUCTIONS:

- For longest lasting results use delicate mode
- Turn garment inside out
- Tumble dry light or no heat

* EZprint Universal Dark is best for small weeded objects

Just because you **CAN** print on anything...
Doesn't mean you **SHOULD**.



Relyco Inkjet Media...

MORE CHOICES for EVERY PRINTER and EVERY APPLICATION
SOLVENT / AQUEOUS / UV CURE / LATEX / "GREEN"



How to Buy from Relyco

For Relyco Digital Imaging product information, please call 1-800-777-7359 or visit our website: **www.relyco.com** where you can find more product information, and request samples and expert advice

How to Choose the Right Photo Paper

Relyco breaks down the top photo applications and the right media to match.

Choosing the right photo paper can be as simple as it can be complicated. If you go by the numbers, you could differentiate the products by caliper or finish, but that doesn't really help you choose the right paper, does it? With so many choices, how do you narrow down the field?

Keep it simple. Identify your key requirements and work backwards.



BEST FOR EVERYDAY POSTERS

32WJ40 WinkJET™
Satin Photo Paper - 8 mil



» Looking for an everyday photo paper that dries instantly and can handle the heated cure of the latex printer without a problem?

BEST FOR MOUNTING / PROTOTYPES

36WJ70 WinkJET™
Photo Paper Pearl - 9.5 mil



» If you want to create a poster to adhere to a mounting board or other surface, why make the process more complicated than it has to be?

BEST FOR PHOTO QUALITY "THICK"

31WJ45 WinkJET™
Satin Photo Board - 12 mil



» Semi-rigid photo paper that is flexible enough to roll, but stiff enough to stand or hang without mounting.

BEST FOR PHOTO MATTE

32WJ43 WinkJET™
Matte Photo Paper - 7 mil



» When the requirements call for extended shadow detail and tonal range with absolutely no glare, don't hide behind a laminate. Start the same way you finish.

New Product

» **32WJ40** WinkJET™ Satin Photo Paper is an 8 mil, smooth, satin photo paper that delivers maximum image performance, black density and color vibrancy with latex inkjet printers. Unlike traditional photo papers, WinkJET™ Latex Photo features a proprietary coating technology that is not impacted by the cure temperature of the latex printers. The result is a perfectly smooth and dry print that establishes a new standard of color, quality and detail for the Latex printer series.

New Product

» **36WJ70** WinkJET™ Photo Paper Pearl is an instant dry, 7 mil photo paper with a 2 mil, silicon release liner. The proprietary base paper and coating allow for maximum flexibility without cracking, even for 90° folds in prototype applications. The specially formulated, adjustable adhesive allows for easier application to a variety of mounting surfaces.

» **31WJ45** WinkJET™ Satin Photo Board is a 12 mil, semi-rigid photo board that delivers premium photo quality on latex inkjet printers. WinkJET™ expands the capabilities of latex printers, truly bridging the gap between UV flatbed and roll-to-roll printing. With an instant dry photo coating, WinkJET™ provides outstanding image quality and dot gain control on a board that is stiff enough to stand or hang, yet flexible enough to roll. WinkJET™ is perfect for applications ranging from high end photo finishing to hanging signs, easel signs and point of sale displays.

New Product

» **32WJ43** WinkJET™ Matte Photo Paper is a 7 mil, bright white, premium matte paper that can tackle your most demanding inkload, drytime and shadow detail requirements. The instant dry, matte finish provides "plug and play" printing when selecting standard "HP White Satin Poster Paper." WinkJET™ is ideal for a variety of applications including an economical alternative to photo paper.

How to Choose the Right Imaging Paper

From billboard to wall mural, and even wallpaper, we've got you covered.

If you believe every wall was meant to be covered, look no further than Relyco Imaging Papers. These economical, water and weather resistant papers are qualified for outdoor applications including billboard and wet posting, as well as indoor decorative and full wall murals. These non-PVC alternatives offer a world of possibilities for indoor and outdoor, textured or smooth, paste or adhesive, short term or permanent graphics.



BEST FOR EVERYDAY POSTERS EVERYDAY SIGNAGE

36WJ86 WinkJET™
Premium Art Paper Gloss - 8 mil

BEST FOR BLOCKOUT POSTED SIGNAGE

36WJ87 WinkJET™ Satin
Premium Paper Blueback - 6 mil

BEST FOR WALLPAPER

3196 WinkJET™ Water
Strength Poster Paper - 10 mil



» Not everything printed on latex printers wraps around a vehicle or hangs with grommets. Paper is the preferred solution for low cost signage that can be used for a variety of applications, indoors or outdoors.



» When short term advertising calls for posting new graphics over old ones, only a blockout layer can prevent the old graphic from showing through the new one.

» **36WJ87** WinkJET™ Paper Blueback is an economical weight, bright white, wet strength paper that is qualified for billboard and outdoor advertising use. WinkJET™ features good print quality, excellent outdoor durability, and excellent scratch resistance. You can apply WinkJET™ directly on top of an old graphic instead of removing it. The blueback will prevent the old graphic from showing through.



» Okay, we are in the paper category, not self adhesive vinyl, banner or other products associated with outdoor strength and durability. However, latex saturated paper offers outstanding durability and strength even when wet.

» **31WJ96** WinkJET™ Water Strength Paper is a 10 mil, premium weight, poster paper. The base paper is infused with latex, allowing it to be extremely durable and maintain its strength when wet. This makes WinkJET™ an ideal alternative to PVC for wallpaper and other decorative applications. WinkJET™ is universally compatible with latex, solvent and UVC printers.

Top Pick

» **36WJ86** WinkJET™ Premium Art Paper is a premium, 8 mil, bright white, gloss coated paper with excellent print quality and drytime. All WinkJET™ Premium papers are multi-layer coated, water and weather resistant and qualified for billboard, outdoor posting and wall mural applications. The proprietary WinkJET™ coating delivers excellent scratch resistance without lamination and withstands folding without crack-ing.

Rolling out the Choices for Durable Graphics

Why this demanding application requires a calculated approach

Choosing the right point of sale, retractable, pop-up or trade show display film is a complex equation balancing durability and cost. A low cost graphic that looks great but tears too easily is no more successful than an indestructible graphic that only needs to last for one event. The choices can be overwhelming.

Now throw into the equation the extreme heat used in the cure cycle on a latex printer and all of a sudden, everything you thought was certain is now in question again.

After thorough testing of our entire Display Film line, we have narrowed down the choices to what really works on Latex printers.



BEST FOR PORTABLE DISPLAY UNITS / RETAIL SIGNAGE (PREMIUM POLYESTER)

35WJ15 WinkJET™
Roll-up Film Blockout - 7 mil



» Maximum durability, vivid color and universal compatibility for any POS application with "shine-through protection."

» **35WJ15** WinkJET™ is a 7 mil, white, polyester film with an instant dry, glossy finish for outstanding "color pop" and a gray-back for 100% blockout. The durable construction is engineered to withstand repeated rolling in portable display units without tearing or edge fraying. WinkJET™ Poly can be overlaminated with either low-melt or pressure sensitive laminates.

BEST FOR FLAT WALL EXHIBIT / RETAIL GRAPHICS (POLYESTER)

35WJ16 WinkJET™
Pop-Up Film Blockout - 12 mil



» Quite simply a dimensionally stable film that delivers in every characteristic. From printing to finishing, installation to removal, WinkJET™ Poly delivers flexibility, durability and quality.

» **35WJ16** WinkJET™ PolyPop-Up is a 12 mil, polyester display film with a "low glare," satin finish and an instant dry, water resistant coating. The durable, 12 mil construction can be used un laminated to create a durable exhibit or POS graphic engineered to withstand repeated rolling in portable display units and abuse from a hands-on experience without cupping, warping or scratching. For additional protection or to change the finish, WinkJET™ PolyPop-Up can be overlaminated with both pressure sensitive and hot laminates.

BEST FOR ROLLUP BANNERS (ECONOMICAL POLYPRO)

36WJ29 WinkJET™ Lay Flat
Poly Polypro Film - 7 mil



» For single use and short term roll-up or retractable banners, polypropylene is a great choice.

» **36WJ29** WinkJET™ is a tear resistant, smooth, polypropylene display film with a "low glare," satin finish and a water resistant, scratch resistant coating. The WinkJET™ Lay Flat Poly family of products lay extremely flat, both on the printer and in final application. WinkJET™ Lay Flat Poly is compatible with latex, solvent, and UVC printers.

BEST FOR FIRE RETARDANCY OR SOFT HAND (POLYESTER FABRIC)

35WJ02 WinkJET™ BannerFab
Matte Fire Retardant Banner - 12 mil
*2" core only



» Fabric offers soft hand and smooth "drape" with good tear resistance and lay flat properties.

» **35WJ02** WinkJET™ BannerFab is a flame retardant (NFPA certified), ultra durable, water resistant banner. The NFPA certification is the best in class certification for flame spread and a common requirement for trade shows and other installations. WinkJET™ has a bright white, outdoor durable coating and a flexible, tear resistant base, making it ideal for applications ranging from roll-up displays to outdoor banners.

Shedding Some Light on Backlit

What really matters when selecting backlit films?

Choosing the right backlit film can be tricky. Let's be honest. The most important aspects when choosing a backlit film are density, density and density. Regardless of whether your graphic is going inside or outside, whether it is large or small, mounting to Plexiglas or "sandwiching" between two layers, you want your blacks to be dark, your colors vibrant and your graphic flat.

Relyco factories are one of the leading developers and manufacturers of backlit film for every print technology. Latex inkjet is no exception.

BEST FOR DURABLE BACKLIT DISPLAYS

31WJ82 WinkJET™ StayView
Latex Matte Backlit Film - 7 mil

BEST FOR INDOOR BACKLIT DISPLAYS

31WJ52 WinkJET™ SuperView
Latex Matte Backlit Film - 8 mil



» Long term, outdoor durability with a robust coating design built for maximum print density and production speed.

» Quite simply the best backlit film on the market today. This film offers everything you want and nothing you don't.

Top Pick

» **31WJ82** WinkJET™ StayView Latex Backlit Film is a premium, 7 mil, backlit film designed for Latex inkjet printers. WinkJET™ StayView features a durable coating that provides excellent image performance, black density and color vibrancy. The durable coating design provides excellent scratch and smudge resistance and will not fade or yellow when displayed in direct sunlight or outdoors.

New product

» **31WJ52** WinkJET™ SuperView is an 8 mil, matte, backlit film with an ultra absorbant, matte coating designed for maximum image performance, black density and color vibrancy with Latex inkjet printers. WinkJET™ SuperView is constructed on a premium, polyester base making it ideal for large displays and lightbox applications.

*Print settings and temperature controls are critical for backlit printing on Latex. Oversaturating and overdrying can cause the ink and coatings to get dry and brittle.



Stretching the Options for Canvas

Flexibility and versatility make latex printers the perfect solution for canvas.

The demand for printed canvas has ballooned in recent years and it doesn't show any sign of slowing down. Today's market reaches well beyond traditional wedding and portrait studios, to commercial and home decorating and fine art licensed duplication. The technology of choice is no longer just water-based inkjet. Today, latex inkjet, with its uniquely flexible ink that is so important for gallery wraps, might just offer the perfect solution for flexibility, versatility and speed.



BEST FOR HIGH QUALITY PHOTO AND FINE ART

31WJ34 WinkJET™ Super Wrap
Semi-Gloss Canvas - 17 mil



» "Gallery Wrap Canvas" with premium print performance and 180° folding without edge cracking.

New product

» **31WJ34** WinkJET™ Super Wrap is a premium, bright white, inkjet coated canvas designed to produce solid blacks, vivid colors and smooth gradients. The 17 mil, poly/cotton blend provides a flexible base for easy stretching without cracking. WinkJET™ Super Wrap canvas is compatible with solvent, latex and UVC printers.

BEST FOR DÉCOR PRODUCTION MATTE

31WJ29 WinkJET™ Econ Production
Matte Production Canvas - 21 mil



» The economical solution for the growing demand of décor canvas for applications ranging from commercial and home decorating to fine art duplication.

New product

» **31WJ29** WinkJET™ Econ Production Canvas is designed from the bottom up with high volume production in mind. Starting with a 2:1 weave structure made of a traditional poly/cotton blend, WinkJET™ Econ features a high performance, matte coating, a natural looking finish and uniform structure.

BEST FOR EVERYDAY PHOTO AND FINE ART

36WJ09 WinkJET™ Artiste
Satin Canvas - 17 mil



» An everyday canvas should be economical and offer good characteristics for print production and post process finishing.

» **36WJ09** WinkJET™ Artiste Satin Canvas is a premium, bright white, inkjet coated canvas designed to produce solid blacks, vivid colors and smooth gradients. The 17 mil, poly/cotton blend provides a flexible base for easy stretching with-out cracking. WinkJET™ Artiste canvas is compatible with solvent, UVC and latex printers.

BEST FOR DÉCOR PRODUCTION GLOSS

31WJ23 WinkJET™ Vibrant
Gloss Canvas - 13 mil



» A glossy textile fabric for price conscious, décor projects that offers soft hand, smooth finish and good tear resistance.

New product

» **31WJ23** WinkJET™ Vibrant is designed from the bottom up with high volume production in mind. Starting with a 1:1 weave structure and a 100% polyester base, WinkJET™ Vibrant features a high gloss coating that delivers rich blacks and brilliant colors. The absence of cotton compared to traditional canvas products makes WinkJET™ Vibrant ideal for gallery wrap, stretching and framing applications. There will be no edge cracking and no sagging with this canvas.

Choosing the Right Banner

From scrim banner to polypropylene to polyester and more, latex inkjet printers offer compatibility with a wide array of materials for banner applications.

Keep in mind, compatibility doesn't always equate to success in real world print production. The heat and cure cycles on latex printers can wreak havoc on some soft, flexible and dimensionally unstable materials, creating warping, headstrikes and curl.



BEST FOR FIRE RETARDANCY OR SOFT HAND (POLYESTER FABRIC)

35WJ02 WinkJET™ Fabro Matte
Fire Retardant Banner - 12 mil
*2" core only



» Fabric offers soft hand and smooth "drape" with good tear resistance and layflat properties.

» **35WJ02** WinkJET™ Fabro is a flame retardant (NFPA certified), ultra durable, water resistant banner. The NFPA certification is the best in class certification for flame spread and a common requirement for trade shows and other installations. WinkJET™ Fabro has a bright white, outdoor durable coating and a flexible, tear resistant base, making it ideal for applications ranging from rollup displays to outdoor banners.

BEST FOR PORTABLE DISPLAY UNITS / RETAIL SIGNAGE

33WJ94 WinkJET™ Texture Poly
Textured Polypropylene Film - 9 mil



» A textured polypropylene film for applications ranging from gallery wrapped canvas to banner stands and wall murals.

» **33WJ94** WinkJET™ Texture Poly is a tear resistant, embossed, polypropylene film with a "low glare," satin finish and a water resistant, scratch resistant coating. WinkJET™ Texture Poly is the latest addition to the WinkJET™ family of products which all feature a high performance coating and excellent water and scratch resistance. WinkJET™ Texture Poly is compatible with solvent, UVC and latex printers.

Top Pick

BEST FOR LARGE LONG TERM 2 SIDED (SEMI-MATTE)

31WJ18 WinkJET™ PolySure LT
Semi-Matte Vinyl Banner 2-sided - 18 oz



Weight: 18 oz per Yard
Yarn Weight: 500 x 500 Denier
Thread Count: 28 x 28 thread per inch
Thickness: 18 mil / 460 Microns
Support Cloth: Polyester
Tensile Strength: 1850/1350 (warp/weft N/5CM)
Tear Strength: 240/220 (warp/weft N/M)
Low Temp Crack: -10° C

BEST FOR SMALL / ECONOMICAL SHORT TERM 2 SIDED (SEMI-MATTE)

31WJ09 WinkJET™ PolySure ST
Semi-Matte Vinyl Banner 2-sided - 13 oz



Weight: 13 oz per Yard
Yarn Weight: 250 x 250 Denier
Thread Count: 36 x 36 thread per inch
Thickness: 14 mil / 340 Microns
Support Cloth: Polyester
Tensile Strength: 1300/1100 (warp/weft N/5CM)
Tear Strength: 120/110 (warp/weft N/M)
Low Temp Crack: -10° C

BEST FOR LARGE / ULTRA DURABLE LONG TERM SINGLE SIDED

31WJ20 WinkJET™ ULTRA Vinyl Banner - 13 oz Gloss
31WJ21 WinkJET™ ULTRA Vinyl Banner - 13 oz - Matte



Weight: 13 oz per Yard
Yarn Weight: 1000 x 1000 Denier
Thread Count: 9 x 9 thread per inch
Thickness: 14 mil / 390 Microns
Support Cloth: Polyester
Tensile Strength: 1500/1200 (warp/weft N/5CM)
Tear Strength: 240/190 (warp/weft N/M)
Low Temp Crack: -10° C

-Compatible Printers--

*For further information please refer to our website, www.relyco.com



HP® Designjet L25500

HP Latex Ink
» <http://www.hp.com>



HP® Designjet L26500

HP Latex Ink
» <http://www.hp.com>



HP® Designjet L28500

HP Latex Ink
» <http://www.hp.com>



HP® Scitex LX600 HP® Scitex LX820 HP® Scitex LX820

HP Latex Ink
» <http://www.hp.com>



Mimaki® JV400LX

Mimaki Latex Ink
» <http://www.mimakiusa.com>

Relyco does not mass produce custom ICC or RIP pro-files for our line of inkjet printable media. We do generate a few custom profiles in the application laboratories of our factories in the US and Europe, but these are limited by the printer, software and ink combinations we have at each facility. When possible, we publish printer settings charts for printers on which we have determined the best "standard" setting. These can be used as a starting point, from which you can relinearize to further refine ink limits and color balance, or they can be used as is for print production.

Custom profiles are relatively easy to make today. Many printer and RIP manufacturers offer this as a service or will even walk you through the process online. Some RIP and printer manufacturers actively profile Relyco media and make the profiles available for download on their websites.

Additionally, printer and RIP manufacturers provide a wide array of standard and custom printer settings with the standard, installed version of their product. Frequently there is an intuitive setting that matches either the material or the finish, which is a perfect match for our media. For example, "White Satin Poster Paper" for photo papers, "Heavy Textile Banner" for canvas and scrim banner, "Premium Vivid Color Backlit" for backlit films.

» If you are experiencing drying issues:

Latex printers use two heat cycles, drying and curing, to bond the ink to the media substrate and produce a finished print. Each cycle has a specific purpose. The "drying stage" is required to evaporate the high water content used as a carrier for the latex ink and to form the initial bond between the ink and the media. The "curing stage" is required to remove the remaining co-solvents from the ink and to cure the latex film protective layer.

As a general rule, you should not adjust the drying temperature settings. Set the drying temperature at a default 131°F. Reducing this temperature too low can cause quality defects. If you don't completely evaporate the moisture from the ink, you may still achieve a "cure," of the latex layer through the cure cycle, but the image layer will still be effected. You may experience a quality degradation in the image layer in the form of oversaturation, ink bleeding or dot gain that takes away from the sharpness of the print because you did not remove the moisture. Increasing the drying temperature too high can cause banding, wrinkling or warping.

» **If you are experiencing coalescing or bleeding:**

Turn up the "cure" heat in 5 degree increments. You can also try switching to a higher resolution print setting. This increases the time between passes and produces smaller ink droplets, allowing for better drying. This also increases the amount of dwell time at the curing stage.

» **If you are experiencing head strikes:**

Rigid and semi-rigid media or media with a strong curl to it, requires extra preparation before printing. Feed the first few inches past the exit roller and front lip of the platen to avoid the curled leading edge. You might also need to reduce the curing temperature if the cause of the headstrikes is warping or wrinkling.

» **If you are experiencing curing problems:**

You should explore the wide range of cure temperatures, vacuum levels and airflow options on the printer. Don't be afraid to reduce the cure temperature to as low as 160°F or to increase it as high as 240°F. The curing function works in tandem with the printer passes. The main reason you would lower the cure temperature is because your base material is deforming, warping or curling from too much heat. This is common with thin and soft materials. Since you are lowering the cure temperature, you have to increase the number of passes to establish proper cure. This essentially increases the amount of dwell time at the curing stage.

If you want to lay down maximum ink for high density applications such as backlit or canvas, for example, you may find you need additional curing. This can be achieved by either increasing the curing temperature, increasing the number of passes (dwell time at the curing station) or a combination of both.

» **If you see banding (white lines between passes):**

Slow down the media feed. The media is advancing too quickly, leaving a space between ink passes from the carriage. If the printer and software has an option to run a "media feed calibration," do so and follow the prompts. This will adjust the speed at which the media is fed through the printer.

This can also be caused by too much or uneven tension from the media take-up reel. Unroll some of the media on the take-up and allow for some slack in the path. This will allow the media to feed from the mechanism on the platen rather than being pulled by the take-up reel. As long as the media interacts with the sensor (usually at the bottom of the printer), the take-up reel will still engage and collect the media.

» **If you see banding (dark lines between passes):**

Speed up the media feed. The media is advancing too slowly, overlapping consecutive ink passes from the carriage. If the printer and software has an option to run a "media feed calibration," do so and follow the prompts. This will adjust the speed at which the media is fed through the printer.

This can also be solved by reducing the vacuum settings. This will allow the media to feed smoothly, without interference.

» **Optimized Latex media vs Compatible:**

Relyco manufactures a wide variety of media types for all print technology. By developing optimized coatings and media solutions, Relyco media is designed for the highest speed and highest quality print production. That means fewer hours spent messing around with print and heat settings and more time spent... printing!

» **Some General Rules for Curing by Categories:**

» **4 pass**

A waste of time

» **6 pass**

Uncoated papers, matte coated papers, water based papers

» **8 pass**

Water based or solvent coated photo paper

» **10-12 pass**

For most products - SAV, Scrim, Canvas, Polyester, PP, PET etc.

» **12-16 pass**

Canvas, Fine Art, Textile (items that need lower cure temperatures because of base materials)

» **20 pass**

If extra cure time is needed for max ink load...yes it is slower!



To find out more

To order, call your Relyco representative at 1-800-777-7359. Visit us online at www.relyco.com for more information.
121 Broadway | Dover, New Hampshire 03820 | Phone: (800) 777-7359 | Fax: (603) 742-9993 | www.relyco.com