



TransferRite® ULTRA®

Choose TransferRite® Ultra® for superior adhesive qualities for your ready-to-apply graphics. You'll get more dimensional stability and humidity resistance—and less wrinkling, tunneling and edge lift. There's less handwork, with minimal or no heat vacuum needed. Available in low, medium and high tack. Choose from premium or standard grade.



TransferRite® ULTRA® Clear

For precise alignment of your most detailed graphics, use TransferRite® Ultra® Clear. It will offer clarity, and keep your graphics from stretching and distorting. It provides super adhesion to a liner, and will not haze vinyl. Available in medium and high tack.



Product Selection Guide

Example Applications	ULTRA® Paper & Clear Application Tapes									Film Tapes				Specialty Papers		
	Standard Grade Paper			Premium Grade Paper			Polypropylene Film									
	560U	582U	592U	760U	782U	792U	1310	1320	1421	1504	1510	1520	6798	6882	PM-12	
Prespaced computer cut letters or decals >12" in one dimension	X			X						X						
Prespaced computer cut letters or decals 2" to 12" high		X			X		X				X					
Prespaced computer cut letters or decal <2" high			X			X		X				X				
Textured or embossed vinyls, adhesive-backed fabrics or fine lined/heavily weeded thermal die cut decals													X			
Banner or coroplast sign material							X									
Fine line striping			X			X	X				X					
Four color process printed decals			X			X					X		X	X		
Decals or lettering <12" in one dimension (including striping)					X		X				X					
Slick top coated vinyls (i.e., reflective)			X			X		X				X				
Small one-piece decals		X					X				X					
Mid-sized line striping		X														
Large one-piece decals				X								X				
Wide line striping	X			X						X						
Poster board and show card stock	X			X						X						
Large digitally printed with a gloss surface or over-laminates	X			X										X		
Digitally printed decals with matte finish or decals that are cut and weeded		X			X									X		
Printed die cut decals			X			X			X							
Decals that must conform over irregular surfaces				X	X	X										
Decals requiring long-term storage				X	X	X								X		
Large decals that will be rolled and shipped					X	X	X	X			X	X		X		
UV screen printed decals with light to moderate ink coverage											X			X		
UV screen printed decals with medium to heavy coverage, four-color process printing												X		X		
General protection of print surfaces on textile screen printing machinery															X	

X – Product suggested for this application

Suggestions are based on testing done by American Biltrite. However, the purchaser must determine the suitability of a particular product for its intended use.

Contact Midwest for MSDS and technical data sheets





Premasking Tapes

SCPM-3: Use this premask—specially formulated for large-format, screen-printed and electronically cut graphics—to ease the application of larger graphics to substrates. It has a unique, low-tack adhesive.

SCPM-44X: This low-tack application tape is specially formulated to ease the application of large graphics to substrates. Use this application tape when graphics are printed using 3M™ Screen Printing Ink Series 9700UV.

Scotch™ Masking Tape

Midwest offers a variety of masking tapes from 3M. *These quality tapes are available in 60-yard rolls in widths from ½" to 6".*



Tartan™ Masking Tape 200: Natural-colored, 5.5 mil (0.14 mm) crepe paper tape with rubber adhesive. Use for holding, bundling, sealing, non-critical masking (not to exceed 200 degrees F.) and a vast number of other jobs where a pressure-sensitive tape is needed.

Fineline Masking Tape 218: When the aesthetics of the finished product demand a sharp color separation with a flawless paint line for your vehicles and other precision applications, use 218 tape.

Scotch® Performance Masking Tape 232: A premium masking tape for paint-masking and other industrial applications, this smooth crepe paper tape is treated with a heat- and solvent-resistant coating. Conforms well to items being masked and removes cleanly from surfaces.

Scotch® Masking Tape 234: Excellent for general-purpose office use and has a 3" core.

2307 Masking Tape: A general-purpose masking tape used for industrial applications. Can be qualified to meet Federal Specification PPP-T-42C Type I, CID-A-A-883 Type I and Mil Specification MI-T-21595D Type I. *Available in ½", ¾", 1" and 2" x 60-yd rolls.*

Midwest Slitting Services

Midwest has the capability of slitting application tapes, pre-masks and many of the popular pressure-sensitive vinyl materials. This service is offered as part of our complete package of products and services to meet your need for custom-width materials. Please contact your local Midwest branch for product availability and lead time.



Scotch-Mount™ Double-Coated Foam Tapes

Composed of two layers of adhesive, a foam carrier and a liner, foam tapes are flexible and conformable, and they cushion vibration and sound. They can be die cut to match almost any configuration.



Tapes 4004, 4008, 4016, 4026, 4032: Use to bond mirrors to walls or furniture, mount interior signs and nameplates, or attach wire clips to various surfaces.

Tapes 4408, 4416, 4432: Use to seal around windows in boats and RVs, or to mount display screens in electronic scales, indoor signs and nameplates, or fiberglass trim panels in trailers.

Scotch™ Double-Coated Tapes

Double-Coated Paper Tapes are composed of two layers of adhesive, a foam carrier and a liner, giving you different performance benefits than adhesive transfer tapes because they give you more body.

Double-Coated Paper Tapes 4658F, 410B, 443PC, 444 & 9690: Use for mounting graphics.

Double-Coated Urethane Foam Tape: Can be useful when mounting graphics.

Double-Coated Vinyl Foam Tape: Use for mounting graphics.

VHB™ Tape Removal System

3M™ VHB™ Tapes bond most surfaces permanently, but if you have to separate the surfaces and remove residue, 3M also has the tools for a fast, effective job.



3M™ SMART Tool: Use the 3M™ SMART Tool by hand or in an air chisel to separate bonded assemblies like overlapped panels and stiffeners.

3M™ Stripe Off Wheels: Faster and easier than solvents or adhesive cleaners, the wheel is non-combustible, and follows contours and irregular surfaces easily with its resilient rounded edge. Residue comes off without scratches or damage to acrylic enamel or urethane paint.

WEBER® made

Transfer Tape Application System

Save time and money with the inexpensive WEBER-made® Transfer Tape Application System by eliminating common tape frustrations. It only takes one person to roll the application tape out and onto large-format graphics. This compact dispenser makes it easy to align your tape and ensures a wrinkle-free job every time! It fits standard 3 tape cores and is available in four widths—16", 24", 36" and 48".





Scotch™ VHB™ Acrylic Foam Tapes

VHB (very high bond), high-strength tapes are used throughout the industry to replace screws, rivets, welding, liquid adhesives and other permanent assembly methods. They offer greater design flexibility and are often a key factor in styling and performance.

Tapes 4905 Clear & 4910 Clear: Use to join transparent material and replace rivets, screws and other mechanical fasteners.

Tapes 4920, 4930, 4950, 4955, 4959: Use to bond aluminum skin to steel support of trucks, vans, etc.; to seam side panels of trucks and TVs; and to bond polycarbonate lens to LCD panels.

Tapes 4932 & 4952: Use to bond powder-painted metal panels, and to bond polypropylene panels.

Tapes 4926, 4936, 4941 & 4956: Use to bond flexible vinyl sheeting.

Tape 4945 & 4946: Use to attach vinyl automotive trim, mount vinyl wiring ducts, or bond vinyl extrusions to window frames. Provides good adhesion to flexible vinyl.

Tape 4951: Use to mount panels to aluminum frames in buildings, or to mount aluminum panels to truck trailer frames.

Tape 5925, 5952 & 5962: Bonds to clean aluminum and steel, and also readily bonds painted metal and plastic throughout a sign with little or no surface priming or abrading.

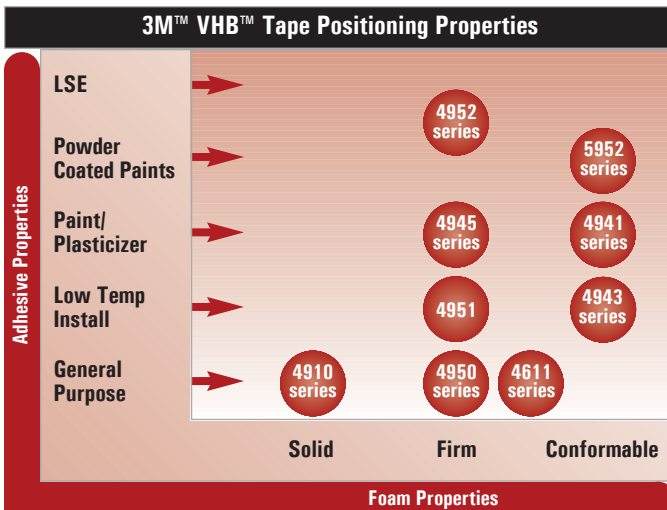
3M VHB™ Tape Positioning Properties

Comformable Foam				Thickness (inches)	General Purpose Foam						Specialty Foam	
Paint/ Plasticizer Resistant	Black	Powder Coated Painting	Low Temp Application		General Purpose	LSE	Paint/ Plasticizer Resistant	Black	Low Temp Application	Clear	High Temp	Roof Bow
4926 ¹				0.015	4920 ¹							
				0.020						4905		
4936 ²	4919	5925		0.025	4930 ¹	4932 ¹		4929			4646	4618
				0.040						4910		
4941 ²	4947	5952	4943	0.045	4950 ¹	4952 ¹	4945 ¹ /4946	4949	4951		4611	4622
4956 ²	4979	5962	4957	0.062							4655	4624
				0.080	4955							
4991				0.090								
				0.120	4959							

¹ Paper liner

² Paper or film liner

3M™ VHB™ Tape Positioning Properties



3M™ VHB™ Adhesive Properties

LSE: Bonds to most lower surface energy substrates including many plastics and powder-coated paints, plus general purpose substrates.

Paint/Plasticizer Resistant: Bonds to most painted substrates, plus general purpose substrates. Good adhesion to substrates containing plasticizers.

Low Temp Install: Can be used to bond general purpose substrates at application temperatures as low as 32° F.

General Purpose: Bonds to most higher-energy substrates including most metal.





Use IPG's superior Anchor Stencil Products when you need a flexible product line to use by hand, or with machine or computer-cutting applications. You get excellent shape-carving ability for precise detailing, superior blast-resistance to prevent burning, cleaner transfer of artwork to stencil and an easy-release liner that increases efficiency in the production process. Easier cutting will translate into less wear on knives and cutting dies, and will increase durability, requiring fewer replacements. Stencil construction will provide for smooth and accurate tracking through your cutting machine, and minimize waste and lost production time. Product styles are available in a variety of widths and lengths to fit all computer cutters.



Anchor Stencil Products Usage Guide								
PRODUCT SPECIFICATIONS					CUTTING METHODS			
Product Number	Width (in.)	Length (yds.)	Adhesive Tack	Average Thickness (mils-w/o liner)	Hand Cut	Friction Fed	Sprocket Fed Gerber Punch	Sprocket Fed 1/2" O.C. Punch
111	10½, 12¾, 14¾, 18¾, 21, 25, 30½	10	M	43	■			
112	18¾, 25	10	M	48	■			
116	15, 30	10	H	33		15	15, 30	15
117	15, 30	10	M	33		15	15, 30	15
120	25	10	M	33	■			
123	10½, 12¾, 14¾, 15, 18¾, 21, 25, 30, 30½	10	M	48	■			
123Y	12¾, 15, 18¾, 25, 30	10	M	48	■			
124	15, 30	15/10, 30/20	M	48			■	
124PC	15, 30	15/10, 30/20	M	50			■	
124Y	15, 30	15/10, 30/20	M	48			■	
125	25	10	H	36	■			
128	25, 30½	10	M	20	■			
129	15, 25, 30	10, 20	M	45		■	15	25, 30
129Y	25, 30	10, 20	M	45		■		25, 30
130	15, 30	10	M	20			15	15, 30
153	19¾, 24	10	M	33		■		
154	12¾, 15, 18¾, 25, 30	10, 20	M	48				■
154PC	25, 30	15/10, 30/20	M	50				■
154Y	25, 30	15/10, 30/20	M	48				■
155	19¾, 24	10	H	33		■		
156	30	10	H	33		■		■
157	30	10	M	33		■		■
158	25, 30	10	M	46				■
192Y	30	10	M	45			■	
T226	15, 20, 25, 30	10	H	22	■			
T227	15, 20, 25, 30	10	M	22	■			

Sandblast Stencil Guidelines

- High-tack stencils are designed for use on raw substrates.
- High-tack stencils have a water-based acrylic adhesive designed for bonding to rough surfaces.
- Medium-tack stencils have a petroleum-based adhesive designed for bonding to smooth surfaces.
- Medium-tack stencils are designed for use on primed or pre-painted substrates, glass, synthetic stone, ceramic tile and plastic.
- Always use a 60° blade when cutting stencils with plotters.

Anchor Stencil Products Filler 211

Specially designed and formulated to produce superior results with Anchor stencils, and should be used with stencil Style #111.

3M Sandblast Stencil 510

Use this light green 45.0-mil rubber backing with rubber adhesive and easy-release clear film liner for hand- and die-cutting, or to help protect granite, marble and wood surfaces during sandblasting. Designed for single-process technique and straight blasting.





Acrylic Adhesives 403/19-410/19

These adhesives are ideal for use with a wide range of materials, including minimally prepared or unprepared metal surfaces. These easy-to-use adhesives offer a convenient, no-mix feature, and they resist severe environmental conditions. With 100% reactive formulations to meet VOC regulations, they can be applied to fiber-reinforced plastics (FRP), sheet-molded compounds (SMC), plastics and unprimed metals.



Urethane Adhesives

Lord one- and two-part Urethane Adhesives provide superior bonds with minimal surface preparation for today's high-performance thermosets and thermoplastics. They offer primerless adhesion for sheet-molded compounds (SMC) and are ideal for prepared metals, rubber and fiber-reinforced plastics (FRP). Available in series 7542A/B, 7545A/B, 7550A/C, 7556A/B, 7610 and 7660.



LORD-Pak™ 50

LORD-Pak™ 50 Manual Adhesive Dispensing Systems consist of a handheld, two-component adhesive dispenser, a dual-barrel cartridge and a disposable static mixer. Ideal for off-site repair and assembly. An easy, economical alternative to manual proportioning and mixing of half pints and quarts.



LORD-Pak™ CX

LORD-Pak™ CX Pneumatic and Manual Adhesive Dispensing Systems consist of a coaxial cartridge with an inner wall separating the two components, a manual or pneumatic dispensing gun, retaining nut and disposable static mixer. The ratios available with LORD-Pak CX products are 1:1, 2:2, 4:1 and 10:1 by volume.



GAUNT Glue Bottles

2-ounce Round Polyethylene Bottle: Use the popular "Hypo-25" glue bottle—a favorite for 40+ years on production lines and in maintenance. Individually boxed and equipped with a dust-proof cap. Choose from five needle sizes (all needles are 1" long).

1½-ounce Oval Polyethylene Bottle: If you work in repair, service or home crafts, you will find this the ideal size for cementing, solvent dispensing and precision oiling. Individually boxed; equipped with dust-proof cap. You have a choice of six needle sizes (all 1" long).



Contact Midwest for MSDS and technical data sheets



Weld-On Plastic Cements & Adhesives



Weld-On #3 Very Fast Drying & #4 Moderately Drying:

Clear, water-thin, nonflammable, high-strength solvent cements for acrylics, or to cement other plastics (such as styrene, butyrate and polycarbonates like LEXAN and Merlon) to themselves. Apply with a brush, syringe, or eyedropper, or by dipping or soaking.

Weld-On #16 Fast Drying: High-strength, fast-drying, clear-bodied acrylic solvent cement. You can use it to cement acrylic plastic to itself and for bonding styrene, butyrate, polycarbonate, and some other plastics and porous surfaces.

Weld-On #55: VOC-free, two-component, 100%-reactive, urethane-based adhesive for plastics like polycarbonate, butyrate, ABS and PETG. With excellent UV light resistance, it polymerizes at room temperature to form high-strength bonds within a few hours.



RD PRO® 100% Silicone Sealant, Industrial Grade RTV

High-performance industrial sealing and glazing compound that is ideal for use on aluminum, plastic, metal, glass, ceramic tile and most nonporous surfaces for flexible bonding. 10.5 oz. cartridges. Available in Clear, White and Black.



Resin Bond

This Methylene chloride bonding material is specifically designed for use with CAB sign trim and acrylic sign faces. Available in quarts and gallons.



SPRAY ADHESIVES

3M 77 Spray Adhesive: This high-tack, high-coverage adhesive is fast-drying for permanently attaching foils, lightweight foams, paper, cardboard and other materials to painted or unpainted metals, wood and hardboard. Available in 10- and 24-oz. cans. Cannot be sold in California.



Sprayway #66 Premium Mist Spray Adhesive:

Ideal for quick layouts and paste-ups; has a quick or long tack for temporary or permanent bonds while preventing paper patterns and stencils from shifting. #66 is non-wrinkling, repositionable, water-resistant and does not stain.

