



Science.
Applied to Life.™

Products that Inspire Success.

Inkjet Printing Materials for
Solvent, UV and Latex Printing

3M exposes its films to the most diverse climatic conditions and is therefore able to provide reliable statements as to their durability in all countries of the world.



Durable and Reliable Solutions for Indoor and Outdoor Applications

Your digital printing system is an important component for graphics production. The use of high-quality materials will ensure that you achieve outstanding graphics. The wide range of 3M films enables you to utilize the full capabilities of your printing system and to fulfill your customers' expectations and all of this at an affordable price.

Diversity – Innovative Ideas Need Quality Materials

The diversity of the 3M product range is the basis for innovative ideas. Premium and promotional applications for outdoor advertisements, fleet graphics, signs, indoor applications and decorations, floor graphics, window graphics and reflective graphics are just some examples of the possibilities. Colour profiles are provided as a service to our customers.

Check 3m.eu/graphicsolutions or contact your local 3M representative to get our colour profile selector.

Proven Performance and Compatibility

3M works closely with printer, software and ink manufacturers to ensure compatibility with our products. 3M films have been designed and engineered from the ground up to work consistently and reliably with the majority of wide-format digital printers used in the industry today. This results in high performance and compatible products on tested printing systems.

3M Quality

3M digital printing materials are distinguished by their excellent processing properties. The high quality of the films, liners and adhesives ensures smooth processing in the printing system. In addition, 3M films are extremely durable, retaining their function over a long time period.

3M quality control makes sure of this. All films for digital printing systems are manufactured with the utmost care, and they are constantly tested as part of our rigorous quality control system.

Furthermore, 3M offers a comprehensive service package ranging from technical support, such as calibration, and recommendations for materials and applications, to performance testing and seminars on adhesive techniques together with our partners.

3M™ Comply™ Performance Technology

With its remarkable 'bubble- and wrinkle-free' application feature, 3M Comply Performance is the next step to speeding and easing graphic application. The adhesive layer has been developed to contain uniquely-configured channels which allow air to escape during application.

When integrated with 3M Controltac positionable adhesive technology, graphics can be applied with even greater speed and minimal risk of graphic damage – a particular benefit to professional applicators of fleet graphics who are looking to increase productivity and reduce vehicle down-time.

3M™ Controltac™ Adhesive

A film with the 3M Controltac positionable adhesive system has millions of precision-placed microscopic glass spheres embedded within its adhesive layer. These spheres help to prevent the adhesive from fully contacting the application surface until pressure is applied. This enables the graphic to be positioned, then re-positioned as many times as necessary, until it is in exactly the right place before final application.

Glossary of Terms



3M™ Comply™ Adhesive	3M brand name for a characteristic that permits air bubbles to escape through channels in the adhesive as a film is being applied.
3M™ Comply™ v3 Adhesive	3M brand name for a characteristic that permits air bubbles to escape through almost invisible channels in the adhesive as a film is being applied.
3M™ Controltac™ Graphic Film	3M brand name for films with pressure-activated adhesive that is slideable and repositionable until firm pressure bonds it to the substrate.
3M™ Clear Coats	A liquid clear coat that can enhance or change the gloss of a graphic and provide resistance to dirt and harmful UV light.
3M™ Envision™ Films	3M brand name for products that deliver leading-edge technology, best-in-class performance with a sustainability edge.
3M™ Scotchcal™ Graphic Film	3M brand name for films with pressure-sensitive adhesive that bonds upon contact.
3M™ Scotchcal™ Overlaminate	3M brand name for a transparent film that can enhance or change the gloss of a graphic as well as provide resistance to dirt, abrasion and harmful UV light.
3M™ Scotchlite™ Reflective Graphic Film	3M brand name for a retroreflective film that allows a graphic to be clearly seen in low or no ambient light situations when a light source is directed at it from a point near the viewer's location.
Cast Film	Highest quality vinyl film for the best in image quality, conformability, dimensional stability and durability.
Compound Curves	A surface with three-dimensional curves.
Conformable	A feature in some graphic films that allows it to conform around curves and rivets.
IJ	Inkjet printable film prefix that indicates the film is forward wound on an un-notched core.
Inkjet	Method of digital printing. Also referred to as thermal inkjet.



Perforated	A grid of small holes found in some printable films that allows an image to be seen on one side of a clear substrate, but allows a viewer to see through the film from the other side.
Permanent Adhesive	Adhesive that is not intended to be removable.
Positionable or Repositionable (As used in 3M™ Controltac™ Graphic Films only)	Light finger pressure may be used to tack the film in place to check for proper positioning and then repositioned if necessary. Firm pressure applied by any means, as well as high application temperature or removing and trying to reapply any liner, eliminates this feature.
Pressure-Activated Adhesive (As used in 3M™ Controltac™ Graphic Films)	Slideable, positionable and repositionable until firm pressure is applied with hand, squeegee or other application tool. Incompletely dried solvent in inkjet printed film may reduce the slideability. An applied film cannot be moved to another position.
Pressure-Activated Adhesive (As used in 3M™ Scotchlite™ Graphic Films IJ680 and IJ680CR)	Slideable until firm pressure is applied with hand, squeegee or other application tool. Incompletely dried solvent in inkjet printed film may reduce the slideability. An applied film cannot be moved to another position.
Pressure-Sensitive Adhesive	Adheres upon contact to the substrate. Does not slide and cannot be repositioned.
Removable Adhesive	Can be removed without heat and/or chemicals from supported substrates
Simple Curves	A surface with a two-dimensional curve.
Slideable (For all 3M Controltac brand films and selected 3M Scotchlite brand films)	Film slides easily across the substrate while positioning for application. Incompletely dried solvent in inkjet printed film may reduce the slideability.

Inkjet Media

Application and film characteristics

			Fleet and	Vehicle	Watercraft	Transit (buses, trucks, etc.)	Signage	Signage	Awning	Smooth	Textured	Window	Short-term	Floor	Recommended	Expected life (years)	Expected life (years)	Expected life (years)	3M™ MCS™	Performance
Section	Number	Product name																		
Premium	 LX480Cv3	3M™ Envision™ Print Wrap Film LX480Cv3	■	■	■	■		■		■	■	■			8548G, 1920DR, 9740i	12	11	9	■	■
	 SV480Cv3	3M™ Envision™ Print Wrap Film SV480Cv3	■	■	■	■		■		■	■	■			8548G, 1920DR, 9740i	12	11	9	■	■
	IJ380-10	3M™ Controltac™ Graphic Film IJ380-10	■	■	■										8580, 8580M, 1920DR	10	9	7	■	■
	IJ380-20	3M™ Controltac™ Graphic Film IJ380-20	■	■	■											10	9	7	■	■
	IJ180Cv3-10	3M™ Controltac™ Graphic Film with Comply™ Adhesive v3 IJ180Cv3-10	■	■	■	■		■		■	■	■			8518, 8520, 8915, 1920DR, 9740i	11	10	8	■	■
	IJ180-10	3M™ Controltac™ Graphic Film IJ180-10	■	■	■	■		■		■	■	■			8518, 8520, 8915, 1920DR, 9740i	11	10	8	■	■
	IJ181-10	3M™ Controltac™ Graphic Film IJ181-10	■					■								11	10	8	■	■
	IJ160C-10	3M™ Controltac™ Graphic Film IJ160C-10	■			■		■		■		■				8	7	5	■	■
	IJ160-10	3M™ Controltac™ Graphic Film IJ160-10	■			■		■		■		■				8	7	5	■	■

Intermediate	IJ170Cv3-10	3M™ Scotchcal™ Graphic Film with Comply™ v3 Adhesive IJ170Cv3	■	■	■	■	■	■	■	■	■	■	■	8518, 8520, 8915, 1920DR, 9740i	8	7	5	■	■
	IJ70-10	3M™ Scotchcal™ Graphic Film IJ70-10	■	■	■	■	■	■	■	■	■	■	■	IJ70-114, 1920DR, 9740i	6	5	3	■	■
	IJ70-114	3M™ Scotchcal™ Graphic Film IJ70-114	■	■	■	■	■	■	■	■	■	■	■		6	5	3	■	■
	48C-20	3M™ Envision™ Print Film 48C-20	■			■	■	■	■	■	■	■	■	8048G	5	4	2	■	■
	48C-20R	3M™ Envision™ Print Film 48C-20R	■			■	■	■	■	■	■	■	■		5	4	2	■	■
	48-20	3M™ Envision™ Print Film 48-20	■			■	■	■	■	■	■	■	■		5	4	2	■	■
	48-20R	3M™ Envision™ Print Film 48-20R	■			■	■	■	■	■	■	■	■		5	4	2	■	■
	40C-10	3M™ Controltac™ Graphic Film with Comply™ Adhesive 40C-10	■	■			■	■	■	■	■	■	■	8038G, 8040M	7	6	4	■	■
	40C-20	3M™ Controltac™ Graphic Film with Comply™ Adhesive 40C-20	■	■			■	■	■	■	■	■	■		7	6	4	■	■
	40C-10R	3M™ Controltac™ Graphic Film with Comply™ Adhesive 40C-10R	■	■			■	■	■	■	■	■	■		7	6	4	■	■
	40C-20R	3M™ Controltac™ Graphic Film with Comply™ Adhesive 40C-20R	■	■			■	■	■	■	■	■	■		7	6	4	■	■
	IJ40-10	3M™ Scotchcal™ Graphic Film IJ40-10	■	■			■	■	■	■	■	■	■	8038G, 8040M	7	6	4	■	■
	IJ40-10T	3M™ Scotchcal™ Graphic Film IJ40-10T	■	■			■	■	■	■	■	■	■		7	6	4	■	■
	IJ40-10R	3M™ Scotchcal™ Graphic Film IJ40-10R	■	■			■	■	■	■	■	■	■		7	6	4	■	■
	IJ40-20	3M™ Scotchcal™ Graphic Film IJ40-20	■	■			■	■	■	■	■	■	■		7	6	4	■	■
	IJ40-20R	3M™ Scotchcal™ Graphic Film IJ40-20R	■	■			■	■	■	■	■	■	■		7	6	4	■	■
	IJ40-114	3M™ Scotchcal™ Graphic Film IJ40-114										■			5	4	2	■	■
	IJ40-124	3M™ Scotchcal™ Graphic Film IJ40-124										■			5	4	2	■	■
	IJ40-114R	3M™ Scotchcal™ Graphic Film IJ40-114R										■			5	4	2	■	■
	IJ40-124R	3M™ Scotchcal™ Graphic Film IJ40-124R										■			5	4	2	■	■
	IJ37-10	3M™ Scotchcal™ Graphic Film IJ37-10	■	■			■	■	■	■	■	■	■	8018G, 8020M	5	4	2	■	■

Since graphic durability is largely determined by climate the durability of a product will vary according to the geographical location of the application.

The guarantees listed in the tables are grouped into three geographical zones and are indicated in years, assuming a graphic vertical exposure ±10°

Zone 1: Austria, Belarus, Belgium, Bosnia, Croatia, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greenland, Hungary, Iceland, Ireland, Italy (North of Rome), Kazakhstan, Latvia, Liechtenstein, Lithuania, Luxembourg, Moldova, Montenegro, Netherlands, Norway, Poland, Romania, Russia, Serbia, Slovakia, Slovenia, Sweden, Switzerland, UK, Ukraine

Application surfaces							Film characteristics								Adhesive characteristics						Printing process				Cutting method		Liner									
							Face characteristics			Visual properties					Colour	Features			Remova- bility																	
Flat	Flat with rivets	Corrugated	Simple curves	Compound curves	Deep channels and concave surfaces	Flexible substrates	Film material	Classification	Film thickness (µm)	Face finish (Gloss, Luster, Matte)	Opaque	Translucent	Transparent	Retro-reflective	Perforated	Adhesive colour (G= Grey, C= Clear)	Scotchcal (Pressure-Sensitive Adhesive)	Scotchcal with Comply/Comply v3 (Pressure-Sensitive Adhesive with Air Release Channels)	Controltac Pressure-Activated Repositionable Adhesive	Controltac with Comply/Comply v3 (Pressure-Activated Repositionable Adhesive with Air Release Channels)	Permanent (removal is difficult)	Permanent (removal with heat or chemicals)	Removable (easy – with or without heat)	Inkjet – solvent/eco-solvent	Inkjet – UV	Inkjet – Latex	Screen – solvent	Screen – UV	Electronic Cut	Kiss Cut and Die Cut	Hand Cut	Kraft paper	Polyethylene-coated paper	Synthetic		
■	■	■	■	■	■		High Performance non-PVC	High Performance non-PVC	50	G	■					G				■	■		■	■	■	■	■	■	■*	■	■		■			
■	■	■	■	■	■		High Performance non-PVC	High Performance non-PVC	50	G	■					G				■	■		■	■		■	■	■	■	■*	■	■		■		
■	■	■	■	■	■		Vinyl	Cast	50	G	■					G			■		■		■	■	■	■	■	■	■	■	■	■	■	■		
■	■	■	■	■	■		Vinyl	Cast	50	M	■					G			■		■		■	■	■	■	■	■	■	■	■	■	■	■		
■	■	■	■	■	■		Vinyl	Cast	50	G	■					G				■	■		■	■	■	■	■	■	■	■	■*	■	■	■	■	
■	■	■	■	■	■		Vinyl	Cast	50	G	■					G			■		■		■	■	■	■	■	■	■	■	■	■	■	■	■	
■	■	■	■	■	■		Vinyl	Cast	50	G	■					G			■		■		■	■	■	■	■	■	■	■	■	■	■	■	■	
■	■		■				Vinyl	Polymeric	100	M	■					G				■			■	■	■	■	■	■	■	■	■	■	■	■	■	
■	■		■				Vinyl	Polymeric	100	M	■					G			■				■	■	■	■	■	■	■	■	■	■	■	■	■	

■	■	■	■	■	■		Vinyl	Cast	50	G	■					G		■				■	■	■	■			■	■	■	■	■	■	■	■
■	■	■	■	■	■		Vinyl	Cast	50	G	■					G	■					■	■	■	■	■	■	■	■	■	■	■	■	■	■
■	■	■	■	■	■		Vinyl	Cast	50	G			■			C	■					■	■	■	■	■	■	■	■	■	■	■	■	■	■
■			■				Non-vinyl	Non-PVC polymer	80	M	■					G			■		■	■	■	■		■	■	■	■	■	■	■	■	■	■
■			■				Non-vinyl	Non-PVC polymer	80	M	■					G			■		■	■	■	■		■	■	■	■	■	■	■	■	■	■
■			■				Non-vinyl	Non-PVC polymer	80	M	■					G	■				■	■	■	■		■	■	■	■	■	■	■	■	■	■
■			■				Non-vinyl	Non-PVC polymer	80	M	■					G	■				■	■	■	■		■	■	■	■	■	■	■	■	■	■
■			■				Vinyl	Polymeric	75	G	■					G		■			■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
■			■				Vinyl	Polymeric	75	M	■					G		■			■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
■			■				Vinyl	Polymeric	75	G	■					G		■				■	■	■	■	■	■	■	■	■	■	■	■	■	■
■			■				Vinyl	Polymeric	75	G	■					G		■				■	■	■	■	■	■	■	■	■	■	■	■	■	■
■			■				Vinyl	Polymeric	75	G	■					G		■				■	■	■	■	■	■	■	■	■	■	■	■	■	■
■			■				Vinyl	Polymeric	75	M	■					M	■				■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
■			■				Vinyl	Polymeric	75	M	■					G	■					■	■	■	■	■	■	■	■	■	■	■	■	■	■
■			■				Vinyl	Polymeric	75	G			■			C	■				■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
■			■				Vinyl	Polymeric	75	G	■					C	■					■	■	■	■	■	■	■	■	■	■	■	■	■	■
■			■				Vinyl	Polymeric	75	M			■			C	■					■	■	■	■	■	■	■	■	■	■	■	■	■	■
■			■				Vinyl	Polymeric	75	M			■			C	■					■	■	■	■	■	■	■	■	■	■	■	■	■	■
■			■				Vinyl	Polymeric	75	G	■					G	■					■	■	■	■	■	■	■	■	■	■	■	■	■	■

* Due to air release stucture, cut of smaller sizes not recommended

Zone 2: Albania, Armenia, Azerbaijan, Bulgaria, Corsica, Crete, Georgia, Greece, Italy (South of Rome), Kyrgyzstan, Macedonia, Malta, Portugal, Sardinia, South Africa, Spain, Tajikistan, Turkey, Turkmenistan, Uzbekistan

Zone 3: Afghanistan, Algeria, Angola, Bahrain, Botswana, Burkina, Burundi, Benin, CAR, Chad, Congo, Cyprus, Cameroon, Djibouti, Dubai, Egypt, Eritrea, Ghana, Guinea, Israel, Kuwait, Iran, Ivory Coast, Iraq, Jordan, Lebanon, Liberia, Libya, Madagascar, Mali, Mauritania, Morocco, Namibia, Niger, Nigeria, Oman, Pakistan, Qatar, Rwanda, Saudi Arabia, Syria, Senegal, Sierra Leone, Somali Republic, Sudan, Togo, Tunisia, UAE, Uganda, Yemen, Zaire, Zambia, Zimbabwe

Inkjet Media

Application and film characteristics

Section	Number	Product name	Applications											Description	Durability and warranties					
			Fleet and vehicle graphics	Vehicle wraps	Watercraft	Transit (bus, passenger train)	Signage – Backlit	Signage – Non-Backlit	Awning	Smooth walls	Textured walls and surfaces	Window or glass	Short-term advertising applications		Recommended graphic protection	Expected performance life (durability), unprinted, without protection, outdoor (years) - Zone 1	Expected performance life (durability), unprinted, without protection, outdoor (years) - Zone 2	Expected performance life (durability), unprinted, without protection, outdoor (years) - Zone 3	3M™ MCS™ Warranty	Performance Guarantee
Promotional	IJ25-10	3M™ Scotchcal™ Graphic Film IJ25-10					■						■	8008G, 8010M		3	2	1	■	■
	IJ25-10R	3M™ Scotchcal™ Graphic Film IJ25-10R					■						■			3	2	1	■	■
	IJ25-10TR	3M™ Scotchcal™ Graphic Film IJ25-10TR					■					■	■			3	2	1	■	■
	IJ25-20R	3M™ Scotchcal™ Graphic Film IJ25-20R					■						■			3	2	1	■	■
	IJ20-10R	3M™ Scotchcal™ Graphic Film IJ20-10R					■						■			2	1	1	■	■
	IJ20-10TR	3M™ Scotchcal™ Graphic Film IJ20-10TR					■						■			2	1	1	■	■
	IJ20-20R	3M™ Scotchcal™ Graphic Film IJ20-20R					■						■			2	1	1	■	■
	IJ20-114R	3M™ Scotchcal™ Graphic Film IJ20-114R					■					■	■			2	1	1	■	■
	IJ20-124R	3M™ Scotchcal™ Graphic Film IJ20-124R					■					■	■			2	1	1	■	■

Specialty	8173	3M™ Scotchcal™ Perforated Window Graphic Film 8173										■		8914i		1	1	1	■	■
	8176-114	3M™ Scotchcal™ Perforated Window Graphic Film 8176-114										■				Indoor only			■	■
	8173 for UV	3M™ Scotchcal™ Perforated Window Graphic Film 8173 for UV										■				1	1	1	■	■
	8176 for UV	3M™ Scotchcal™ Perforated Window Graphic Film 8176 for UV										■				Indoor only			■	■
	IJ1229	3M™ Scotchcal™ Perforated Window Graphic Film IJ1229										■				0,5	0,5	0,5		
	IJ162-10	3M™ Controltac™ Graphic Film IJ162-10											■	3645	Indoor only				■	■
	IJ162-114	3M™ Controltac™ Graphic Film IJ162-114											■						■	■
	IJ25-10R	3M™ Scotchcal™ Graphic Film IJ25-10R											■	3649					■	■
	IJ3630-20	3M™ Scotchcal™ Translucent Graphic Film IJ3630-20					■		■			■		3619, 3620		8	7	5	■	■
	IJ3630LED-20	3M™ Scotchcal™ Translucent Graphic Film IJ3630LED-20					■		■			■				8	7	5	■	■
	IJ3730-50	3M™ Envision™ Translucent Film IJ3730-50					■		■			■				8	7	5	■	■
	IJ3730-60	3M™ Envision™ Translucent Film IJ3730-60					■		■			■				8	7	5	■	■
	IJ63-20	3M™ Scotchcal™ Translucent Graphic Film IJ63-20					■		■			■		8008G, 8010M		1	1	1		
	IJ680CR-10 E	3M™ Scotchlite™ Removable Reflective Graphic Film IJ680CR-10 E	■			■		■						8518, 8020, 1920DR, 9740i		10	9	7	■	■
	IJ680-10	3M™ Scotchlite™ Reflective Graphic Film IJ680-10	■			■		■								10	9	7	■	■
	FS-1	3M™ Envision™ Flexible Substrate FS-1					■							3658G, 3660M 3619, 3620		7	6	4	■	■
	Panagraphics III	3M™ Panagraphics™ III Wide Width Flexible Substrate					■									7	6	4	■	■
	8150	3M™ Scotchcal™ Clear View Graphic Film 8150										■		8150		7	6	4	■	■

Since graphic durability is largely determined by climate the durability of a product will vary according to the geographical location of the application.

The guarantees listed in the tables are grouped into three geographical zones and are indicated in years, assuming a graphic vertical exposure ±10°

Zone 1: Austria, Belarus, Belgium, Bosnia, Croatia, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greenland, Hungary, Iceland, Ireland, Italy (North of Rome), Kazakhstan, Latvia, Liechtenstein, Lithuania, Luxembourg, Moldova, Montenegro, Netherlands, Norway, Poland, Romania, Russia, Serbia, Slovakia, Slovenia, Sweden, Switzerland, UK, Ukraine

Application surfaces							Film characteristics						Adhesive characteristics						Printing process	Cutting method	Liner														
							Face characteristics			Visual properties			Colour	Features			Remova- bility																		
Flat	Flat with rivets	Corrugated	Simple curves	Compound curves	Deep channels and concave surfaces	Flexible substrates	Film material	Classification	Film thickness (µm)	Face finish (Gloss, Luster, Matte)	Opaque	Translucent	Transparent	Retro-reflective	Perforated	Adhesive colour (G= Grey, C= Clear)	Scotchcal (Pressure-Sensitive Adhesive)	Scotchcal with Comply/Comply v3 (Pressure-Sensitive Adhesive with Air Release Channels)	Controltac Pressure-Activated Repositionable Adhesive	Controltac with Comply/Comply v3 (Pressure-Activated Repositionable Adhesive with Air Release Channels)	Permanent (removal is difficult)	Permanent (removal with heat or chemicals)	Removable (easy – with or without heat)	Inkjet – solvent/eco-solvent	Inkjet – UV	Inkjet – Latex	Screen – solvent	Screen – UV	Electronic Cut	Kiss Cut and Die Cut	Hand Cut	Kraft paper	Polyethylene-coated paper	Synthetic	
■							Vinyl	Monomeric	100	G	■					G	■					■		■	■	■	■	■	■	■	■	■			
■							Vinyl	Monomeric	100	G	■					G	■					■	■	■	■	■	■	■	■	■	■	■	■		
■							Vinyl	Monomeric	100	G	■					C	■						■	■	■	■	■	■	■	■	■	■	■		
■							Vinyl	Monomeric	100	M	■					G	■						■	■	■	■	■	■	■	■	■	■	■		
■							Vinyl	Monomeric	80	G	■					G	■						■	■	■	■	■	■	■	■	■	■	■		
■							Vinyl	Monomeric	80	G	■					C	■						■	■	■	■	■	■	■	■	■	■	■		
■							Vinyl	Monomeric	80	G	■			■		G	■						■	■	■	■	■	■	■	■	■	■	■		
■							Vinyl	Monomeric	80	G			■			C	■						■	■	■	■	■	■	■	■	■	■	■		
■							Vinyl	Monomeric	80	M			■			C	■						■	■	■	■	■	■	■	■	■	■			

■							Vinyl	Polymeric	145	G				■	G	■						■	■		■	■		■				
■							Vinyl	Polymeric	145	C				■	C	■						■		■		■	■		■		■	
■							Vinyl	Polymeric	145	G				■	G	■						■		■		■		■	■	■		
■							Vinyl	Polymeric	145	C				■	C	■						■		■		■	■		■	■	■	
■							Vinyl	Monomeric	120	G				■	G	■						■	■			■		■	■		■	
■							Vinyl	Polymeric	100	M	■				G	■						■	■	■	■	■	■	■	■	■	■	
■							Vinyl	Polymeric	100	C			■		C	■						■	■	■	■	■	■	■	■	■	■	
■							Vinyl	Monomeric	100	G	■				G	■						■	■	■	■	■	■	■	■	■	■	
■						■	Vinyl	Cast	50	M		■			C	■					■		■	■	■	■	■	■	■	■	■	
■						■	Vinyl	Cast	50	M		■			C	■						■		■	■	■	■	■	■	■	■	
■						■	Vinyl	Cast	50	M		■			C	■						■		■	■	■	■	■	■	■	■	
■						■	Vinyl	Cast	50	M		■			C	■						■		■	■	■	■	■	■	■	■	
■			■			■	Vinyl	Calendered vinyl	80	M		■			C	■						■	■	■	■	■	■	■	■	■	■	
■	■	■	■				Vinyl	Composite cast	180	L				■	C	■				■		■	■	■	■	■	■	■*	■	■	■	
■	■	■	■				Vinyl	Composite cast	180	L				■	C	■				■			■	■	■	■	■	■	■	■	■	
							Vinyl		550	L			■										■	■	■				■			
							Vinyl		550	L			■										■	■	■	■	■			■		
■			■	■			Vinyl	Cast	50	G			■		C	■							■	■	■	■	■	■	■	■	■	■




* Due to air release stucture, cut of smaller sizes not recommended

Zone 2: Albania, Armenia, Azerbaijan, Bulgaria, Corsica, Crete, Georgia, Greece, Italy (South of Rome), Kyrgyzstan, Macedonia, Malta, Portugal, Sardinia, South Africa, Spain, Tajikistan, Turkey, Turkmenistan, Uzbekistan

Zone 3: Afghanistan, Algeria, Angola, Bahrain, Botswana, Burkina, Burundi, Benin, CAR, Chad, Congo, Cyprus, Cameroon, Djibouti, Dubai, Egypt, Eritrea, Gabon, Ghana, Guinea, Israel, Kuwait, Iran, Ivory Coast, Iraq, Jordan, Lebanon, Liberia, Libya, Madagascar, Mali, Mauritania, Morocco, Namibia, Niger, Nigeria, Oman, Pakistan, Qatar, Rwanda, Saudi Arabia, Syria, Senegal, Sierra Leone, Somali Republic, Sudan, Togo, Tunisia, UAE, Uganda, Yemen, Zaire, Zambia, Zimbabwe

Overlaminates

for Protection of Inkjet printed media

		Applications												
Number	Product name	Fleet and vehicle graphics	Vehicle wraps	Watercraft	Transit (bus, passenger train)	Signage – Backlit	Signage – Backlit and thermoformed	Signage – Non-Backlit	Awning	Smooth walls	Textured walls and surfaces	Window or glass	Short-term advertising applications	Floor
 8548G	3M™ Envision™ Gloss Overlamine 8548G	■	■	■	■			■		■	■	■		
 8549L	3M™ Envision™ Luster Overlamine 8549L	■	■	■	■			■		■	■	■		
8580	3M™ Scotchcal™ Gloss Overlamine 8580	■	■	■	■			■						
8580M	3M™ Scotchcal™ Matte Overlamine 8580M	■	■	■	■			■						
8518	3M™ Scotchcal™ Gloss Overlamine 8518	■	■	■	■	■	■	■		■		■		
8519	3M™ Scotchcal™ Luster Overlamine 8519	■	■	■	■	■	■	■	■	■				
8520	3M™ Scotchcal™ Matte Overlamine 8520	■	■	■	■	■	■	■	■	■				
8915	3M™ Scotchcal™ Ultra-Matte Overlamine 8915		■	■		■		■		■				
IJ70-114	3M™ Scotchcal™ Graphic Film IJ70-114	■	■	■	■		■							
8914i	3M™ Scotchcal™ Optically Clear Overlamine 8914i											■		
3645	3M™ Scotchcal™ Luster Overlamine 3645													■
3649	3M™ Scotchcal™ Matte Overlamine 3649													■
8150	3M™ Scotchcal™ Clear View Graphic Film 8150											■		
3619	3M™ Scotchcal™ Luster Overlamine 3619					■	■	■						
3620	3M™ Scotchcal™ Matte Overlamine 3620					■	■	■						
8991	Scotchgard™ Graphic and Surface Protection Film 8991				■									
8993	Scotchgard™ Graphic and Surface Protection Film 8993				■									
8995-124	Scotchgard™ Graphic and Surface Protection Film 8995-124				■									
 8048G	3M™ Envision™ Gloss Overlamine 8048G	■			■		■		■					
8038G	3M™ Scotchcal™ Gloss Overlamine 8038G	■	■					■		■				
8040M	3M™ Scotchcal™ Matte Overlamine 8040M	■	■					■		■				
8008G	3M™ Scotchcal™ Gloss Overlamine 8008G	■			■			■					■	
8010M	3M™ Scotchcal™ Matte Overlamine 8010M	■			■			■					■	
8018G	3M™ Scotchcal™ Gloss Overlamine 8018G	■	■					■		■				
8020M	3M™ Scotchcal™ Matte Overlamine 8020M	■	■					■		■				

Application Surfaces							Film characteristics					Adhesive characteristics		Liner		
							Face characteristics			Visual properties		Colour	Features			
Flat	Flat with Rivets	Corrugated	Simple Curves	Compound Curves	Deep Channels and Concave Sur-faces	Flexible Substrates	Film material	Classification	Film Thickness (µm)	Face finish (Gloss, Luster, Matte)	Transparent	Adhesive Colour (Clear)	Scotchcal Pressure-Sensitive	Kraft paper	Polyethylene-coated Paper	Synthetic
■	■	■	■	■	■		High Performance non-PVC	Extruded	50	G	■	C	■			■
■	■	■	■	■	■		High Performance non-PVC	Extruded	50	L	■	C	■			■
■	■	■	■	■	■		Vinyl	Cast	25	G	■	C	■	■		
■	■	■	■	■	■				25	M	■	C	■	■		
■	■	■	■	■					50	G	■	C	■			■
■	■	■	■	■					50	L	■	C	■	■		
■	■	■	■	■					50	M	■	C	■	■		
■	■	■	■	■					50	M	■	C	■	■		
■	■	■	■	■					50	G	■	C	■		■	
■			■						50	G	■	C	■			■
■								Polymeric	50	L	■	C	■	■		
■								Monomeric	50	M	■	C	■	■		
■			■					Cast	50	G	■	C	■			■
						■			50	L	■	C	■	■		
						■			50	M	■	C	■	■		
■							Polyester	Extruded	100	G	■	C	■	■		
■									25	G	■	C	■	■		
■									25	M	■	C	■	■		
■	■		■				Non-PVC	Non-PVC Polymer	50	G	■	C	■	■		
■			■				Vinyl	Polymeric	75	G	■	C	■	■		
■			■						75	M	■	C	■	■		
■								Monomeric	80	G	■	C	■	■		
■									80	M	■	C	■	■		
■			■					Polymeric	75	G	■	C	■	■		
■			■						75	M	■	C	■	■		

Inks and Clear Coats

Colourful Printings and Reliable Finishes

Solvent Inks

Number	Product name	Printer platform	Description	Availability (Gallon, Liter)	Bottle / Cartridge	Common Application Surfaces					
						Flat	Flat with rivets	Corrugated simple and moderate curves	Compound curves	Deep channels and concave surfaces	Flexible substrates
1500v2	3M™ Piezo Inkjet Ink Series 1500v2	EFI™ VUTEK® 150, 2360/3360, 3300/5300, 3000/5000 printers	Solvent-based, pigmented, weather-resistant, excellent colour retention. Available in standard CMYK colours plus Light Cyan, Light Magenta, Light Yellow and Light Black.	1 Gallon	Bottle	■	■	■	■	■	■
6900	3M™ Piezo Inkjet Ink Series 6900	Mutoh Spitfire 65/90/100 Extreme and Blizzard 65/90	Mild-solvent-based, pigmented, weather-resistant, excellent colour retention. Available in standard CMYK colours.	440 ml	Cart-ridge	■	■	■	■	■	■
SX	SIIT SX 3M™ Inks* from OKI	OKI Data Infotech Corp. ColorPainter™ M-64s series from OKI	Solvent-based, pigmented, weather-resistant, excellent color retention. Available in standard CMYK colors plus Light Cyan, Light Magenta, Gray and Light Gray.	1.5 l	Cart-ridge	■	■	■	■	■	■

*Available by contacting OKI resellers

Latex Inks

LX610	HP LX610 Latex Ink, a 3M™ MCS™ Warranty component*	HP Designjet L65500, Scitex LX600, LX800, LX820 and LX850 printers	Latex-based, pigmented, weather-resistant with overlamine. Excellent colour vibrancy. Available in standard and CMYK colours plus Light Cyan and Light Magenta.	3 l	Cart-ridge	■	■	■	■	■	■
792	HP 792 Latex Ink, a 3M™ MCS™ Warranty component*	HP Designjet L26100, L26500, 28500, Latex 210, 260 and 280 printers	Latex-based, pigmented, weather-resistant with overlamine. Excellent colour vibrancy. Available in standard and CMYK colours plus Light Cyan and Light Magenta.	775 ml	Cart-ridge	■	■	■	■	■	■
881	HP 881 Latex Ink, a 3M™ MCS™ Warranty component*	HP Latex 3000/3100 printer	Latex-based, vibrant, flexible, six-color ink sets. Durable and weather resistant when used with compatible 3M overlaminates. Available in standard and CMYK colours plus Light Cyan and Light Magenta.	5 l	Cart-ridge	■	■	■	■	■	■
831	HP 831 Latex Ink, a 3M™ MCS™ Warranty component*	HP Latex 360 printer	Latex-based, vibrant, flexible, six-color ink sets. Durable and weather resistant when used with compatible 3M overlaminates. Available in standard and CMYK colours plus Light Cyan and Light Magenta.	375 ml	Cart-ridge	■	■	■	■	■	■
871	HP 871 Latex Ink, a 3M™ MCS™ Warranty component*	HP Latex 370 printer	Latex-based, vibrant, flexible, six-color ink sets. Durable and weather resistant when used with compatible 3M overlaminates. Available in standard and CMYK colours plus Light Cyan and Light Magenta.	3 l	Cart-ridge	■	■	■	■	■	■
891	HP 3M 891 Latex Ink, a 3M™ MCS™ Warranty component*	HP Latex 3500 printer	Latex-based, vibrant, flexible, six-color ink sets. Durable and weather resistant when used with compatible 3M overlaminates. Available in standard and CMYK colours plus Light Cyan and Light Magenta.	10 l	Cart-ridge	■	■	■	■	■	■

*Available by contacting HP resellers

UV Inks

R3225	EFI™ R3225 3M™ UV Ink*	EFI™ R3225 Printer	UV LED-cured, weather-resistant, excellent colour retention, flexible and conformable. Available in standard CMYK colours.	2 × 5 l	Bottle	■	■	■			■
GSLXr	EFI™ VUTEk® GSLXr 3M™ SuperFlex UV Ink	EFI™ VUTEk® GS3250LXr Printer, GS5500LXr Pro Printer	UV LED-cured, weather-resistant, excellent color retention, super flexible and conformable. Available in standard CMYK plus Light Cyan, and Light Magenta for both printers., Light Black, Light Yellow also available for GS5500LXr Pro Printer.	2 × 5 l	Bottle	■	■	■	■	■	■
GSr	EFI™ VUTEk® GSr 3M™ Premium UV Ink*	EFI™ VUTEk® GS5000r and GS3250r printers	UV-cured, weather-resistant, excellent colour retention, flexible and conformable. Available in standard CMYK colours plus Light Cyan, Light Magenta, Light Yellow, Light Black and White.	2 × 5 l	Bottle	■	■	■			■
GS	EFI™ VUTEk® GS 3M™ Premium UV Ink*	EFI™ VUTEk® GS2000, GS3200 and GS3250 printers	UV-cured, weather-resistant, excellent colour retention, flexible and conformable. Available in standard CMYK colours plus Light Cyan, Light Magenta, Light Yellow and Light Black.	2 × 5 l	Bottle	■	■	■			■
2800UV	3M™ Piezo Inkjet Ink Series 2800UV*	EFI™ VUTEk® QS printers	UV-cured, weather-resistant, excellent colour retention, flexible and conformable. Available in standard CMYK colours plus Light Cyan, Light Magenta and White.	2 x 3,25 l	Bottle	■	■	■			■
Rho P10 320R/312R	Rho Roll 3M™ Premium UV inks	Durst* Rho P10 320R and 312R printers	UV-cured, weather-resistant, excellent colour retention, flexible and conformable. Available in standard CMYK colours plus White.	10 l	Bottle	■	■	■			■
2700UV	3M™ Piezo Inkjet Ink Series 2700UV	Durst Rho 160R and 351R printers	UV-cured, weather-resistant, excellent colour retention, flexible and conformable. Available in standard CMYK colours plus White.	5 l	Bottle	■	■	■			■
LF-200	Mimaki LF-200 UV Ink*	Mimaki UJV-160, JFX-1631 and JFX-1615R printers	UV-cured, weather-resistant, excellent colour retention, flexible and conformable. Available in standard CMYK colours.	220 ml	Cart-ridge	■	■	■	■	■	■
LUS-200	Mimaki LUS-200 UV Ink*	Mimaki UJV500-160 printer	UV-cured, weather-resistant, excellent colour retention, flexible and conformable. Available in standard CMYK colours.	1 l	Bottle	■	■	■	■	■	■

*Only available by printer manufacturer. Contact EFI VUTEk, Mimaki and/or Durst

Clear Coats

Number	Product name	Application Method		Clear Coat Characteristics				Availability (Gallon, Liter)	Common Applications*				
		Liquid laminator	Screen Press	Aqueous	Solvent	UV Curable	Gloss Level		Inkjet – Solvent	Inkjet – UV	Inkjet – Aqueous	Screen Print – Solvent	Screen Print – UV
1920DR	3M™ Screen Print Gloss Clear 1920DR		■		■		Gloss	1 Gallon	■		■	■	
1955	3M™ Screen Print Gloss Clear 1955ABC		■		■		Gloss	Kit	■			■	
1930	3M™ Screen Print Matte Clear 1930		■		■		Matte	1 Liter	■			■	
8530	3M™ Piezo Inkjet Protective Clear 8530	■		■			Luster	5 Gallons	■				
9740i	3M™ Screen Print UV Gloss Clear 9740i		■			■	Gloss	1 Gallon	■	■			■

* Varies based on specific base film and ink combinations. Refer to 3M Product Bulletins for product specific information.

3M Products are Designed with our Printing Partners in Mind.



durst

efi

EPSON®
EXCEED YOUR VISION



i n v e n t

Mimaki

MUTOH

OKI®

Roland®

The following is a summary of our warranties that may be available for the products you are using. Always refer to the current 3M Product Bulletin for the base film or substrate you are using to determine which warranty applies to your situation.

The 3M™ MCS™ Warranty protects the whole graphic and each individual graphic component. It covers manufacturing defects, premature failure, excessive dimensional change and loss of adhesion. 3M will replace all 3M materials used and, for certain products and applications, provide labor coverage for removal, remanufacture and reapplication. See the 3M Commercial Graphics Warranty brochure or our website for specific details.

The 3M Performance Guarantee covers product performance of 3M films and compatible 3M overlaminates and clear coats, which are guaranteed to be free of media-induced artifacts and to adhere to recommended substrates as specified in the corresponding 3M Product Bulletins. The 3M Performance Guarantee covers replacement cost of 3M materials only.

This catalog provides an Expected Performance Life period for each 3M film and overlaminate based on using the product without imaging or processing, and applied to flat surfaces in non-abusive environments. This period is a reliable expectation but does not guarantee graphic performance. Always refer to 3M Product Bulletin for the base film or substrate you are using.

Colour profiles are provided on our website as a service to our customers. Profiles can conveniently be searched for via printer, RIP engine or media type.

Every effort has been made to ensure the accuracy and completeness of the information in this brochure. 3M, however, assumes no liability as a result of any errors or inaccuracies that may exist. For the most current information, please visit www.3Mgraphics.com/eu

3M, Controltac, Comply, Envision, MCS, Panagraphics, Scotchcal and Scotchlite are trademarks of 3M.

3M

Commercial Solutions

Hermeslaan 7
1831 Diegem
Belgium

www.3Mgraphics.com/eu

February 2016

Please recycle. Printed in Germany
© 3M 2016. All rights reserved.