3M Commercial Graphics
Inkjet Printing Materials for Solvent, UV and Latex Printing

Graphic Films
You Can Rely on

3M

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

Term	Definition
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 unnotched core.
Inkjet	Method of digital printing. Also referred to as thermal inkjet.

Term	Definition
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 with heat and/or chemicals with up to 30 percent adhesive residue.
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 charateristics

Section	Number	Product name	Recommended graphic protection	Zone 1 (months)	Zone 2 (months)	Zone 3 (months)	Film material	Classification	Film thickness (µm)	Face finish	Adhesive colour
Premium	480Cv3	3M™ Envision™ Print Wrap Film 480Cv3	8548G, 1920DR, 9740i	120	96	72	High Performance non-PVC	High Performance non-PVC	50	G	G
Premium	IJ380-10	3M™ Controltac™ Graphic Film IJ380-10	8580, 1920DR	120	96	72	Vinyl	Cast	50	G	G
Premium	IJ380-20	3M™ Controltac™ Graphic Film IJ380-20	8580, 1920DR	120	96	72	Vinyl	Cast	50	M	G
Premium	IJ180Cv3-10	3M™ Controltac™ Graphic Film with Comply™ Adhesive v3 IJ180Cv3-10	8518, 8520, 8915, 1920DR, 9740i	120	96	72	Vinyl	Cast	50	G	G
Premium	IJ180C-10	3M™ Controltac™ Graphic Film with Comply™ Adhesive IJ180C-10	8518, 8520, 8915, 1920DR, 9740i	120	96	72	Vinyl	Cast	50	G	G
Premium	IJ180-10	3M™ Controltac™ Graphic Film IJ180-10	8518, 8520, 8915, 1920DR, 9740i	120	96	72	Vinyl	Cast	50	G	G
Premium	IJ181-10	3M™ Controltac™ Graphic Film IJ181-10	8518, 8520, 8915, 1920DR, 9740i	120	96	72	Vinyl	Cast	50	G	G
Premium	IJ160C-10	3M™ Controltac™ Graphic Film IJ160C-10	8518, 8520, 8915, 1920DR, 9740i	96	84	60	Vinyl	Polymeric	100	M	G
Premium	IJ160-10	3M™ Controltac™ Graphic Film IJ160-10	8518, 8520, 8915, 1920DR, 9740i	96	84	60	Vinyl	Polymeric	100	M	G
Intermediate	IJ170Cv3-10	3M™ Scotchcal™ Graphic Film with Comply™ v3 Adhesive IJ170Cv3	8518, 8520, 8915, 1920DR, 9740i	96	84	60	Vinyl	Cast	50	G	G
Intermediate	IJ70-10	3M™ Scotchcal™ Graphic Film IJ70-10	IJ70-114, 1920DR, 9740i	96	84	60	Vinyl	Cast	50	G	G
Intermediate	IJ70-114	3M™ Scotchcal™ Graphic Film IJ70-114	IJ70-114, 1920DR, 9740i	72	60	48	Vinyl	Cast	50	CG	C
Intermediate	3545C	3M™ Scotchcal™ Removable Graphic Film with Comply™ Adhesive 3545C	8908, 8909, 1920DR, 9740i	60	48	36	Polyolefin	Extruded	100	M	G
Intermediate	IJ40C-10	3M™ Scotchcal™ Graphic Film with Comply™ Adhesive IJ40C-10	IJ40-114, IJ40-124	84	72	48	Vinyl	Polymeric	75	G	G
Intermediate	IJ40C-20	3M™ Scotchcal™ Graphic Film with Comply™ Adhesive IJ40C-20	IJ40-114, IJ40-124	84	72	48	Vinyl	Polymeric	75	M	G
Intermediate	IJ40C-10R	3M™ Scotchcal™ Graphic Film with Comply™ Adhesive IJ40C-10R	IJ40-114, IJ40-124	84	72	48	Vinyl	Polymeric	75	G	G
Intermediate	IJ40C-20R	3M™ Scotchcal™ Graphic Film with Comply™ Adhesive IJ40C-20R	IJ40-114, IJ40-124	84	72	48	Vinyl	Polymeric	75	M	G
Intermediate	IJ40-10	3M™ Scotchcal™ Graphic Film IJ40-10	IJ40-114, IJ40-124	84	72	48	Vinyl	Polymeric	75	G	G
Intermediate	IJ40-10T	3M™ Scotchcal™ Graphic Film IJ40-10T	IJ40-114, IJ40-124	84	72	48	Vinyl	Polymeric	75	G	C
Intermediate	IJ40-10R	3M™ Scotchcal™ Graphic Film IJ40-10R	IJ40-114, IJ40-124	84	72	48	Vinyl	Polymeric	75	G	G
Intermediate	IJ40-20R	3M™ Scotchcal™ Graphic Film IJ40-20R	IJ40-114, IJ40-124	84	72	48	Vinyl	Polymeric	75	M	G
Intermediate	IJ40-114	3M™ Scotchcal™ Graphic Film IJ40-114	IJ40-114, IJ40-124	60	48	36	Vinyl	Polymeric	75	CG	C
Intermediate	IJ40-124	3M™ Scotchcal™ Graphic Film IJ40-124	IJ40-114, IJ40-124	60	48	36	Vinyl	Polymeric	75	CM	C
Intermediate	IJ40-114R	3M™ Scotchcal™ Graphic Film IJ40-114R	IJ40-114, IJ40-124	60	48	36	Vinyl	Polymeric	75	CG	C
Intermediate	IJ40-124R	3M™ Scotchcal™ Graphic Film IJ40-124R	IJ40-114, IJ40-124	60	48	36	Vinyl	Polymeric	75	CM	C
Intermediate	IJ37-10	3M™ Scotchcal™ Graphic Film IJ37-10	8018G, 8020M	60	48	36	Vinyl	Polymeric	75	G	G

Column groups (headers): Applications (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; Floor) · Description (Recommended graphic protection) · Durability and warranties (Expected performance life (durability), unprinted, outdoor (months) – Zone 1 / Zone 2 / Zone 3; 3M™ MCS™ Warranty; Performance Guarantee) · Application surfaces (Flat; Flat with rivets; Corrugated; Simple curves; Compound curves; Deep channels and concave surfaces; Flexible substrates) · Film characteristics – Face characteristics (Film material; Classification; Film thickness (µm); Face finish (Gloss, Luster, Matte)) – Visual properties (Opaque; Translucent; Transparent; Retro-reflective; Perforated) · Adhesive characteristics – Colour (Adhesive colour (G= Grey, C= Clear)) – Features (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)) – Removability (Permanent (removal is difficult); Permanent (removal with heat or chemicals); Removable (easy – with or without heat)) · Imaging method (Inkjet – solvent/eco-solvent; Inkjet – UV; Inkjet – Latex) · Cutting method (Electronic Cut; Kiss Cut and Die Cut; Hand Cut) · Liner (Kraft paper; Polyethylene-coated paper; Synthetic)

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

Inkjet Media
Application and film charateristics

Section	Number	Product name	Recommended graphic protection	Zone 1	Zone 2	Zone 3	Film material	Classification	Film thickness (µm)	Face finish	Adhesive colour
Promotional	IJ25-10	3M™ Scotchcal™ Graphic Film IJ25-10	8008G, 8010M	36	24	18	Vinyl	Monomeric	100	G	G
	IJ25-10R	3M™ Scotchcal™ Graphic Film IJ25-10R		36	24	18	Vinyl	Monomeric	100	G	G
	IJ25-10TR	3M™ Scotchcal™ Graphic Film IJ25-10TR		36	24	18	Vinyl	Monomeric	100	G	C
	IJ25-20R	3M™ Scotchcal™ Graphic Film IJ25-20R		36	24	18	Vinyl	Monomeric	100	M	G
	IJ20-10R	3M™ Scotchcal™ Graphic Film IJ20-10R		24	18	12	Vinyl	Monomeric	80	G	G
	IJ20-10TR	3M™ Scotchcal™ Graphic Film IJ20-10TR		24	18	12	Vinyl	Monomeric	80	G	C
	IJ20-20R	3M™ Scotchcal™ Graphic Film IJ20-20R		24	18	12	Vinyl	Monomeric	80	G	G
	IJ20-114R	3M™ Scotchcal™ Graphic Film IJ20-114R		24	18	12	Vinyl	Monomeric	80	CG	C
	IJ20-124R	3M™ Scotchcal™ Graphic Film IJ20-124R		24	18	12	Vinyl	Monomeric	80	CM	C
Specialty	8173	3M™ Scotchcal™ Perforated Window Graphics Film 8173	8914i	12	12	12	Vinyl	Polymeric	145	G	G
	8176-114	3M™ Scotchcal™ Perforated Window Graphics Film 8176-114		Indoor only			Vinyl	Polymeric	145	C	C
	8173 for UV	3M™ Scotchcal™ Perforated Window Graphics Film 8173 for UV	8914i	12	12	12	Vinyl	Polymeric	145	G	G
	8176 for UV	3M™ Scotchcal™ Perforated Window Graphics Film 8176 for UV		Indoor only			Vinyl	Polymeric	145	C	C
	IJ1229	3M™ Scotchcal™ Perforated Window Graphics Film IJ1229		6	6	6	Vinyl	Monomeric	120	G	G
	IJ162-10	3M™ Controltac™ Graphic Film IJ162-10	3645	Indoor only			Vinyl	Polymeric	100	M	G
	IJ162-114	3M™ Controltac™ Graphic Film IJ162-114		Indoor only			Vinyl	Polymeric	100	C	C
	IJ25-10R	3M™ Scotchcal™ Graphic Film IJ25-10R	3649	Indoor only			Vinyl	Monomeric	100	G	G
	IJ8624	3M™ Scotchcal™ Graphic Film for Textured Surfaces IJ8624	8524	6	6	6	Vinyl	Cast	50	G	G
	IJ3630-20	3M™ Scotchcal™ Translucent Graphic Film IJ3630-20	3619, 3620	120	84	60	Vinyl	Cast	50	M	C
	IJ3630LED-20	3M™ Scotchcal™ Translucent Graphics Film IJ3630LED-20		120	84	60	Vinyl	Cast	50	M	C
	IJ3730-50	3M™ Envision™ Translucent Film IJ3730-50		120	84	60	Vinyl	Cast	50	M	C
	IJ3730-60	3M™ Envision™ Translucent Film IJ3730-60		120	84	60	Vinyl	Cast	50	M	C
	IJ680CR-10 E	3M™ Scotchlite™ Removable Reflective Graphics Film IJ680CR-10 E	8518, 8020, 1920DR, 9740i	96	84	60	Vinyl	Composite cast	180	L	C
	IJ680-10	3M™ Scotchlite™ Reflective Graphics Film IJ680-10		96	84	60	Vinyl	Composite cast	180	L	C
	IJ5100R	3M™ Scotchlite™ Reflective Graphics Film IJ5100R		84	72	60	Vinyl	Composite cast	180	L	C
	IJ5100	3M™ Scotchlite™ Reflective Graphics Film IJ5100		84	72	60	Vinyl	Composite cast	180	L	C
	Panagraphics III	3M™ Panagraphics™ III Wide Width Flexible Substrate	3619, 3620	60	48	36	Vinyl		180	L	
	8150	3M™ Scotchcal™ Clear View Graphic Film 8150	8150	84	72	60	Vinyl	Cast	50	G	C

Applications: 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; Floor

Durability and warranties: Expected performance life (durability), unprinted, outdoor (months) - Zone 1; Zone 2; Zone 3; 3M™ MCS™ Warranty; Performance Guarantee

Application surfaces: Flat; Flat with rivets; Corrugated; Simple curves; Compound curves; Deep channels and concave surfaces; Flexible substrates

Film characteristics — Face characteristics: Film material; Classification; Film thickness (µm); Face finish (Gloss, Luster, Matte). **Visual properties:** Opaque; Translucent; Transparent; Retro-reflective; Perforated

Adhesive characteristics — Colour: Adhesive colour (G= Grey, C= Clear). **Features:** 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). **Removability:** Permanent (removal is difficult); Permanent (removal with heat or chemicals); Removable (easy – with or without heat)

Imaging method: Inkjet – solvent/eco-solvent; Inkjet – UV; Inkjet – Latex. **Cutting method:** Electronic Cut; Kiss Cut and Die Cut; Hand Cut. **Liner:** Kraft paper; Polyethylene-coated paper; Synthetic

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

Since graphic durability is largely determined by climate the durabiltiy 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 months, assuming a graphic vertical exposure ±10°

Zone 1: Austria, Baltic States, Belgium, Bosnia, Croatia, Czech Republic, Denmark, Finland, France, Germany, Greenland, Hungary, Iceland, Ireland, Italy (North of Rome), Liechtenstein, Luxembourg, Netherlands, Norway, Poland, Romania, Russia, Serbia, Slovakia, Slovenia, Sweden, Switzerland, UK

Zone 2: Albania, Bulgaria, Corsica, Crete, Greece, Italy (South of Rome), Macedonia, Malta, Portugal, Sardinia, South Africa, Spain, Turkey

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

Overlaminates
for Protection of Inkjet printed media

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	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)	Transparent	Adhesive Colour (Clear)	Scotchcal Pressure-Sensitive	Kraft paper	Polyethylene-coated Paper	Synthetic
8548G	3M™ Envision™ Gloss Overlaminate 8548G	■	■	■	■			■		■	■	■			■	■	■	■	■	■		High Performance non-PVC	Extruded	50	G	■	C	■			■
8580	3M™ Scotchcal™ Gloss Overlaminate 8580	■	■	■	■			■							■	■	■	■	■	■		Vinyl	Cast	25	G	■	C	■	■		
8518	3M™ Scotchcal™ Gloss Overlaminate 8518	■	■	■	■	■	■	■		■		■			■	■	■	■	■			Vinyl	Cast	50	G	■	C	■			■
8519	3M™ Scotchcal™ Luster Overlaminate 8519	■	■	■	■	■	■	■	■	■					■	■	■	■	■			Vinyl	Cast	50	L	■	C	■	■		
8520	3M™ Scotchcal™ Matte Overlaminate 8520	■	■	■	■	■	■	■	■	■					■	■	■	■	■			Vinyl	Cast	50	M	■	C	■	■		
8915	3M™ Scotchcal™ Ultra-Matte Overlaminate 8915		■	■		■		■		■					■	■	■	■	■			Vinyl	Cast	50	M	■	C	■	■		
8524	3M™ Scotchcal™ Luster Overlaminate 8524										■				■			■				Vinyl	Cast	50	L	■	C	■	■		
IJ70-114	3M™ Scotchcal™ Graphic Film IJ70-114	■	■	■	■	■									■	■	■	■	■			Vinyl	Cast	50	G	■	C	■		■	
8914i	3M™ Scotchcal™ Optically Clear Overlaminate 8914i											■			■			■				Vinyl	Cast	50	G	■	C	■			■
3645	3M™ Scotchcal™ Luster Overlaminate 3645													■	■							Vinyl	Polymeric	50	L	■	C	■	■		
3649	3M™ Scotchcal™ Matte Overlaminate 3649													■	■							Vinyl	Monomeric	50	M	■	C	■	■		
8150	3M™ Scotchcal™ Clear View Graphic Film 8150											■			■			■				Vinyl	Cast	50	G	■	C	■			■
3619	3M™ Scotchcal™ Luster Overlaminate 3619					■	■	■													■	Vinyl	Cast	50	L	■	C	■	■		
3620	3M™ Scotchcal™ Matte Overlaminate 3620					■	■	■													■	Vinyl	Cast	50	M	■	C	■	■		
8991	Scotchgard™ Graphic and Surface Protection Film 8991				■										■							Polyester	Extruded	100	G	■	C	■	■		
8993	Scotchgard™ Graphic and Surface Protection Film 8993				■										■							Polyester	Extruded	25	G	■	C	■	■		
8995-124	Scotchgard™ Graphic and Surface Protection Film 8995-124				■										■							Polyester	Extruded	25	M	■	C	■	■		
8908	3M™ Scotchcal™ Luster Overlaminate 8908	■			■		■		■						■	■		■				Polyolefin	Extruded	65	L	■	C	■	■		
8909	3M™ Scotchcal™ Matte Overlaminate 8909	■			■		■		■						■	■		■				Polyolefin	Extruded	65	M	■	C	■	■		
IJ40-114	3M™ Scotchcal™ Graphic Film IJ40-114	■	■					■		■					■			■				Vinyl	Polymeric	75	G	■	C	■			■
IJ40-124	3M™ Scotchcal™ Graphic Film IJ40-124	■	■					■		■					■			■				Vinyl	Polymeric	75	M	■	C	■			■
8018G	3M™ Scotchcal™ Gloss Overlaminate 8018G	■	■					■		■					■			■				Vinyl	Polymeric	75	G	■	C	■	■		
8020M	3M™ Scotchcal™ Matte Overlaminate 8020M	■	■					■		■					■			■				Vinyl	Polymeric	75	M	■	C	■	■		
8008G	3M™ Scotchcal™ Gloss Overlaminate 8008G	■				■		■					■		■							Vinyl	Monomeric	80	G	■	C	■	■		
8010M	3M™ Scotchcal™ Matte Overlaminate 8010M	■				■		■					■		■							Vinyl	Monomeric	80	M	■	C	■	■		

Inks and Clear Coats
Colourful Printings and Reliable Finishes

Solvent Inks

Number	Product name	Printer platform	Description	Availability (Gallon, Liter)	Bottle / Cartridge	Flat	Flat with rivets	Corrugated simple and moderate curves	Compound curves	Deep channels and concave surfaces	Flexible substrates
						Common Application Surfaces					
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	■	■	■	■	■	■

Latex Inks

Number	Product name	Printer platform	Description	Availability	Bottle / Cartridge	Flat	Flat with rivets	Corrugated simple and moderate curves	Compound curves	Deep channels and concave surfaces	Flexible substrates
LX600	HP 3M Specialty Latex Inks*	HP Designjet L65500, Scitex LX600, LX800, LX820 and LX850 printers	Latex-based, pigmented, weather-resistant with overlaminate. Excellent colour vibrancy. Available in standard and CMYK colors plus Light Cyan and Light Magenta.	3 l	Cart-ridge	■	■	■	■	■	■
LX610	HP Latex Inks, a 3M™ MCS™ Warranty component*	HP Designjet L65500, Scitex LX600, LX800, LX820 and LX850 printers	Latex-based, pigmented, weather-resistant with overlaminate. Excellent colour vibrancy. Available in standard and CMYK colours plus Light Cyan and Light Magenta.	3 l	Cart-ridge	■	■	■	■	■	■
792	HP Latex Inks, a 3M™ MCS™ Warranty component*	HP Designjet L26500 and L28500 printers	Latex-based, pigmented, weather-resistant with overlaminate. Excellent colour vibrancy. Available in standard and CMYK colours plus Light Cyan and Light Magenta.	775 ml	Cart-ridge	■	■	■	■	■	■

*Available by contacting HP resellers

UV Inks

Number	Product name	Printer platform	Description	Availability	Bottle / Cartridge	Flat	Flat with rivets	Corrugated simple and moderate curves	Compound curves	Deep channels and concave surfaces	Flexible substrates
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 x 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 x 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 x 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	■	■	■	■	■	■
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	■	■	■	■	■	■
LF200	Mimaki LF200 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	■	■	■	■	■	■

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

Clear Coats

Number	Product name	Liquid laminator	Screen Press	Aqueous	Solvent	UV Curable	Gloss Level	Availability (Gallon, Liter)	Inkjet – Solvent	Inkjet – UV	Inkjet – Aqueous	Screen Print – Solvent	Screen Print – UV
		Application Method		**Clear Coat Characteristics**					**Common Applications***				
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 infomation.

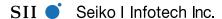# 3M Products are Designed with our Printing Partners in Mind.

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

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