



**3M™ MCS™ Warranty**

Finished Graphics Warranty Period *in years* for Vertical Graphics made with 3M Film, Inks and Graphic Protection using Approved Printers  
**IMPORTANT!** This is only a guide. See the film's Product Bulletin for the most current warranties. Also review notes at the end of the matrix.

		SOLVENT INKS												LATEX INKS																	
Printer Manufacturer		EFI™				HP Scitex				HP Scitex				Seiko I Infotech				HP				HP									
Printer Model		VUTEK® 150, 2360/3360, 3300/5300,3000/5000				XL1200, XL1500				TJ8300 and TJ8350 Industrial Presses				ColorPainter™ H-74s, H-104s, H2-74s and H2-104s, W-54s, W-64s				HP Designjet L65500; Scitex LX600, LX800, LX820, LX850				HP Designjet L65500; Scitex LX600, LX800, LX820, LX850				HP Designjet L26100, L26500, L28500					
Ink Series		SOLVENT 3M Ink Series 1500v2				SOLVENT 3M Ink Series 4400				SOLVENT 3M Ink Series 4800				SIIT GX 3M Ink Series				HP 3M LX600 Specialty Latex Ink				HP LX610 Latex Ink a 3M™ MCS™ Warranty Component				HP 792 Latex Ink a 3M™ MCS™ Warranty Component					
Film	Notes	Graphic Protection																													
		vehicle	outdoor	watercraft	indoor	vehicle	outdoor	watercraft	indoor	vehicle	outdoor	watercraft	indoor	vehicle	outdoor	watercraft	indoor	Notes	vehicle	outdoor	watercraft	indoor	vehicle	outdoor	watercraft	indoor	vehicle	outdoor	watercraft	indoor	
<b>2 MIL GRAPHIC FILMS</b>																															
IJ170Cv3	G	8518, 8519, 8520, 8915	7	4	2	8	7	4	2	8	7	4	2	8	7	4	2	8		5	4	2	7	5	3	2	5	5	3	2	5
	D	8528, 8548G	7/2	4	2	8	7/2	4	2	8	7/2	4	2	8	7/2	4	2	8	D	5/2	4	2	7	5/2	3	2	5	5/2	3	2	5
		8908, 8909	—	1	—	3	—	1	—	3	—	1	—	3	—	1	—	3		—	—	—	—	—	—	—	—	—	—	—	—
		1920DR	3	3	2	5	—	—	—	—	3	3	2	5	3	3	2	5		2	2	—	3	2	2	—	3	2	2	—	3
		9740i	5	4	2	8	5	4	2	8	5	4	2	8	5	4	2	8		—	—	—	—	—	—	—	—	—	—	—	—
		8530	2	2	—	3	2	2	—	3	2	2	—	3	—	—	—	—		—	—	—	—	—	—	—	—	—	—	—	—
		none	—	2	—	2	—	2	—	3	—	2	—	3	—	2	—	3		—	—	—	—	—	—	—	—	—	—	—	—
IJ180-10	G	8518, 8519, 8520, 8915	7	4	2	8	7	4	2	8	7	4	2	8	7	4	2	8		5	4	2	7	5	3	2	5	5	3	2	5
IJ180C-10	D	8528, 8548G	7/2	4	2	8	7/2	4	2	8	7/2	4	2	8	7/2	4	2	8	D	5/2	4	2	7	5/2	3	2	5	5/2	3	2	5
IJ180Cv3-10		8908, 8909	—	1	—	3	—	1	—	3	—	1	—	3	—	1	—	3		—	—	—	—	—	—	—	—	—	—	—	—
		1920DR	3	3	2	5	—	—	—	—	3	3	2	5	3	3	2	5		2	2	—	3	2	2	—	3	2	2	—	3
		9740i	5	4	2	8	5	4	2	8	5	4	2	8	5	4	2	8		—	—	—	—	—	—	—	—	—	—	—	—
		8530	2	2	—	3	2	2	—	3	2	2	—	3	—	—	—	—		—	—	—	—	—	—	—	—	—	—	—	—
		none	—	2	—	2	—	2	—	3	—	2	—	3	—	2	—	3		—	—	—	—	—	—	—	—	—	—	—	—
IJ380Cv3	A, D	8548G	5/2	—	2	—	5/2	—	2	—	5/2	—	2	—	5/2	—	2	—	A, D	5/2	—	2	—	5/2	—	2	—	5/2	—	2	—
		8580	3	—	2	—	3	—	2	—	3	—	2	—	3	—	2	—		3	—	2	—	3	—	2	—	3	—	2	—
		1920DR	3	—	2	—	—	—	—	—	3	—	2	—	3	—	2	—		2	—	2	—	2	—	2	—	2	—	2	—
480Cv3	G	8518, 8519, 8520, 8915	—	—	—	—	—	—	—	—	—	—	—	—	7	4	2	8		5	4	2	7	5	3	2	5	5	3	2	5
	D	8548G	—	—	—	—	—	—	—	—	—	—	—	—	7/2	4	2	8	D	5/2	4	2	7	5/2	3	2	5	5/2	3	2	5
		1920DR	—	—	—	—	—	—	—	—	—	—	—	—	3	3	2	5		2	2	—	3	2	2	—	3	2	2	—	3
		9740i	—	—	—	—	—	—	—	—	—	—	—	—	5	4	2	8		—	—	—	—	—	—	—	—	—	—	—	—
		none	—	—	—	—	—	—	—	—	—	—	—	—	—	2	—	2		—	—	—	—	—	—	—	—	—	—	—	—
IJ8150	G	8518, 8519, 8520, 8915, 8914	3	3	—	8	3	3	—	8	3	3	—	8	3	3	—	8		3	3	—	5	3	3	—	5	3	3	—	5
	D	8528	3/2	3	—	8	3/2	3	—	8	3/2	3	—	8	3/2	3	—	8	D	3/2	3	—	5	3/2	3	—	5	3/2	3	—	5
		1920DR	3	3	—	5	—	—	—	—	3	3	—	5	3	3	—	5		2	2	—	3	2	2	—	3	2	2	—	3
		9740i	3	3	—	8	3	3	—	8	3	3	—	8	3	3	—	8		—	—	—	—	—	—	—	—	—	—	—	—
		none	—	—	—	2	—	—	—	2	—	—	—	2	—	—	—	2		—	—	—	—	—	—	—	—	—	—	—	—
IJ181	G	8518, 8519, 8520, 8915	5	4	—	8	5	4	—	8	5	4	—	8	5	4	—	8		5	3	—	5	5	3	—	5	5	3	—	5
		8908, 8909	—	1	—	3	—	1	—	3	—	1	—	3	—	—	—	—		—	—	—	—	—	—	—	—	—	—	—	—
		1920DR	3	3	—	5	—	—	—	—	3	3	—	5	3	3	—	5		2	2	—	3	2	2	—	3	2	2	—	3
		9740i	5	4	—	8	5	4	—	8	5	4	—	8	5	4	—	8		—	—	—	—	—	—	—	—	—	—	—	—
		none	—	2	—	2	—	2	—	3	—	2	—	3	—	2	—	2		—	—	—	—	—	—	—	—	—	—	—	—
IJ3552C	B, G	8518, 8519, 8520, 8915	2/1	2/1	—	2/1	2/1	2/1	—	2/1	2/1	2/1	—	2/1	2/1	2/1	—	2/1	B	2/1	2/1	—	2/1	2/1	2/1	—	2/1	2/1	2/1	—	2/1
		1920DR	—	—	—	—	—	—	—	—	2/1	2/1	—	2/1	2/1	2/1	—	2/1		—	—	—	—	—	—	—	—	—	—	—	—
		9740i	2/1	2/1	—	2/1	2/1	2/1	—	2/1	2/1	2/1	—	2/1	2/1	2/1	—	2/1		—	—	—	—	—	—	—	—	—	—	—	—
IJ3630-20	C	3619, 3620	—	6	—	8	—	6	—	8	—	6	—	8	—	6	—	8	C	—	5	—	7	—	4	—	6	—	4	—	6
	G	8518, 8519, 8520, 8915	—	4	—	8	—	4	—	8	—	4	—	8	—	4	—	8		—	4	—	6	—	3	—	5	—	3	—	5
		8908, 8909	—	1	—	3	—	1	—	3	—	1	—	3	—	—	—	—		—	—	—	—	—	—	—	—	—	—	—	—
		1920DR	—	3	—	5	—	—	—	—	—	3	—	5	—	3	—	5		—	2	—	3	—	2	—	3	—	2	—	3
		9740i	—	4	—	8	—	4	—	8	—	4	—	8	—	4	—	8		—	—	—	—	—	—	—	—	—	—	—	—
		none	—	2	—	2	—	2	—	3	—	2	—	3	—	2	—	2		—	—	—	—	—	—	—	—	—	—	—	—



		SOLVENT INKS																LATEX INKS													
		EFI™				HP Scitex				HP Scitex				Seiko I Infotech				HP				HP				HP					
		Printer Manufacturer				Printer Model				Printer Model				Printer Model				Printer Model				Printer Model									
		Printer Model				Printer Model				Printer Model				Printer Model				Printer Model				Printer Model									
		VUTEk® 150, 2360/3360, 3300/5300,3000/5000				XL1200, XL1500				TJ8300 and TJ8350 Industrial Presses				ColorPainter™ H-74s, H-104s, H2-74s and H2-104s, W-54s, W-64s				HP Designjet L65500; Scitex LX600, LX800, LX820, LX850				HP Designjet L65500; Scitex LX600, LX800, LX820, LX850				HP Designjet L26100, L26500, L28500					
		SOLVENT 3M Ink Series 1500v2				SOLVENT 3M Ink Series 4400				SOLVENT 3M Ink Series 4800				SOLVENT SIIT GX 3M Ink Series				HP 3M LX600 Specialty Latex Ink				HP LX610 Latex Ink a 3M™ MCS™ Warranty Component				HP 792 Latex Ink a 3M™ MCS™ Warranty Component					
Film	Notes	Graphic Protection																Notes													
REFLECTIVE FILMS		vehicle	outdoor	railroad	indoor	vehicle	outdoor	railroad	indoor	vehicle	outdoor	railroad	indoor	vehicle	outdoor	railroad	indoor	Notes	vehicle	outdoor	railroad	indoor	vehicle	outdoor	railroad	indoor	vehicle	outdoor	railroad	indoor	
IJ680-10	8518, 8519	7	4	4	8	7	4	4	8	7	4	4	8	7	4	4	8		5	4	—	7	5	3	—	5	5	3	—	5	
IJ680CR-10	1920DR	3	3	3	5	—	—	—	—	3	3	3	5	3	3	3	5		2	2	—	2	2	2	—	2	2	2	—	2	
	9740i	5	4	4	8	5	4	4	8	5	4	4	8	5	4	4	8		—	—	—	—	—	—	—	—	—	—	—	—	
	None	—	2	—	2	—	2	—	3	—	2	—	3	—	2	—	2		—	—	—	—	—	—	—	—	—	—	—	—	
IJ5000	8518, 8519	1.5	1.5	—	1.5	1.5	1.5	—	1.5	1.5	1.5	—	1.5	1.5	1.5	—	1.5		—	—	—	—	—	—	—	—	—	—	—	—	
	1920DR	1.5	1.5	—	1.5	—	—	—	—	—	—	—	—	1.5	1.5	—	1.5		—	—	—	—	—	—	—	—	—	—	—	—	
	9740i	1.5	1.5	—	1.5	1.5	1.5	—	1.5	1.5	1.5	—	1.5	1.5	1.5	—	1.5		—	—	—	—	—	—	—	—	—	—	—	—	
IJ5100R	8518, 8519	4	3	—	4	4	3	—	4	4	3	—	4	4	3	—	4		3	2	—	3	3	2	—	3	3	2	—	3	
IJ5100	1920DR	3	3	—	3	—	—	—	—	3	3	—	4	3	3	—	3		2	2	—	2	2	2	—	2	2	2	—	2	
	9740i	4	3	—	4	4	3	—	4	4	3	—	4	4	3	—	4		—	—	—	—	—	—	—	—	—	—	—	—	
FLEXIBLE SUBSTRATES																															
Panagraphics III	H	3619, 3620	—	6	—	8	—	6	—	8	—	—	—	—	—	6	—	8		—	5	—	7	—	4	—	6	—	4	—	6
	G	8518, 8519, 8520, 8915	—	4	—	8	—	4	—	8	—	—	—	—	—	4	—	8		—	4	—	6	—	3	—	5	—	3	—	5
	E	None	—	2	—	2	—	2	—	3	—	—	—	—	—	—	—	—		—	—	—	—	—	—	—	—	—	—	—	—

**Notes**

- A Film IJ380Cv3 with overlamine 8580 or 8548G are for auto and watercraft wraps only.
- B IJ352C is 2 years when applied to flat and simple curved surfaces; 1 year when applied to compound curved surfaces, heated and stretched to conform.
- C IJ3630 or IJ3730 may be applied to 3M™ Panagraphics™ III Wide-Width Flexible Substrate or 3M™ Panaflex™ Flexible Substrate 945GPS.
- D For overlamine 8528 or 8548G, the first number represents the vertical warranty and the second number the horizontal warranty on vehicle graphics.
- E Direct printing without an overlamine requires printing in the double-strike mode (Ink Series 1500V2) or SD Backlit mode (Ink Series 4400).
- G Clear 8915 is not approved for or warranted for use with Seiko I Infotech's GX 3M Ink Series.
- H The Seiko I Infotech ColorPainter™ W-54s Printer is not wide enough for use with 3M™ Panagraphics™ III Wide Width Flexible Substrate.

**DISCLAIMER:** With the exception of 3M branded products, 3M does not represent that any printer or printer accessory recommended in 3M literature will meet customer requirements, any federal, state or local regulations, or any applicable safety standards. Such determination is the responsibility of the printer owner.

### 3M Graphic Films and Media for Inkjet Printing with a 3M™ MCS™ Warranty

Some Films and Graphic Protection may not be used with your printer and ink. Refer to the applicable Warranty Matrix for the recommended graphic constructions.

Film/Media	FN Version Available	Mils/Weight	Color	Adhesive	Features	Product Bulletin
3M™ Envision™ Print Wrap Film 480Cv3		2	White	PA/Cv3	High performance non-PVC; Slideable, Repositionable; Non-visible air release channels; Highly conformable; Removable; Suitable for vehicles and watercraft	480Cv3
3M™ Controltac™ Graphic Film UJ160-10		4	White	PA	Slideable, Repositionable; Removable	PUJ160/160C
3M™ Controltac™ Graphic Film UJ160C-10		4	White	PA/C	Same as UJ160 plus air release channels	
3M™ Controltac™ Graphic Film UJ162-10, UJ162-114		4	White or Clear	PA	Slideable, Repositionable; Removable	PUJ162
3M™ Scotchcal™ Graphic Film with Comply™ Adhesive UJ170Cv3-10		2	White	PS/Cv3	Conformable over rivets and corrugations; Non-visible air release channels; Excellent air flow; Removable; Suitable for watercraft.	UJ170Cv3
3M™ Controltac™ Graphic Film UJ180-10		2	White	PA	Slideable, Repositionable; Conformable over rivets and corrugations; Removable; Suitable for watercraft	
3M™ Controltac™ Graphic Film with Comply™ Adhesive U180C-10	Yes	2	White	PA/C	Same as UJ180 plus air release channels	PUJ180/180C
3M™ Controltac™ Graphic Film with Comply™ v3 Adhesive U180Cv3-10	Yes	2	White	PA/Cv3	Same as UJ180 plus non-visible air release channels; excellent air flow	
3M™ Controltac™ Graphic Film UJ181		2	White	PS	Designed for application to stainless steel; permanent	UJ181
3M™ Controltac™ Graphic Film with Comply™ Adhesive U380Cv3		2	White	PA	Slideable, Repositionable; Non-visible air release channels, excellent air flow; Highly conformable; Removable; <b>For vehicle and watercraft wraps only</b>	UJ380Cv3
3M™ Scotchcal™ Translucent Graphic Film UJ3630-20		2	Translucent white	PS	Superior layflat characteristics; Permanent	UJ3630/3730
3M™ Scotchcal™ Graphic Film UJ3650-10, UJ3650-114	Yes	2	White or Clear	PS	Permanent	PUJ3650
3M™ Envision™ Translucent Film UJ3730-50 or UJ3730-60		2	Translucent white	PS	Permanent; Clear synthetic liner; Optimized for LED lighting applications	UJ3630/3730
3M™ Controltac™ Removable Graphic Film with Comply™ Adhesive 3545C		4	White	PA/C	Polyolefin; Slideable, Repositionable; Air release channels; Removable	3545C
3M™ Controltac™ Changeable Graphic Film with Comply™ Adhesive U3552C	Yes	2	White	PA/C	Slideable, Repositionable; Changeable for cleanest removal	PUJ3552C
3M™ Scotchcal™ Changeable Graphic Film UJ3555		4	White	PS	Low temperature application; Changeable for cleanest removal	PUJ3555
3M™ Scotchlite™ Reflective Graphic Film U5000		6	Reflective white	PS	Permanent	5000
3M™ Scotchlite™ Reflective Graphic Film U5100R		6	Reflective white	PS	Removable	5100R
3M™ Scotchlite™ Reflective Graphic Film U5100		6	Reflective white	PS	Permanent	5100
3M™ Scotchlite™ Reflective Graphic Film U680-10		7-8	Reflective white	PA	Slideable*; Conformable over corrugations and rivets; Permanent	PUJ680
3M™ Scotchlite™ Removable Reflective Graphic Film with Comply™ Adhesive U680CR-10		7-8	Reflective white	PA/C	Slideable*; Air release channels; Conformable over corrugations and rivets; Removable	PUJ680CR
3M™ Scotchcal™ Clear View Graphic Film UJ8150		2	Clear	PS	Optically clear, Removable	PUJ8150
3M™ Scotchcal™ Perforated Window Graphic Film UJ8171		4	Perforated	PS	50% perforation pattern; Removable	PUJ8171
3M™ Scotchcal™ Perforated Window Graphic Film 8671 ES		4	Perforated	PS	50% perforation pattern; Removable	8671-8674
3M™ Scotchcal™ Perforated Window Graphic Film 8674 ES		4	Perforated	PS	40% perforation pattern; Removable	8671-8674
3M™ Panagraphics™ III Wide Width Flexible Substrate		22 oz/sq yd	Translucent white	None	Flexible sign face; Seamable	P3
Films with an IJ prefix are forward wound on unnotched cores. Films with an FN prefix are forward wound on a notched core.			White film is opaque unless otherwise noted	PS = Pressure-sensitive adhesive PA = Pressure-activated adhesive PA/C = Pressure-activated with Comply Adhesive PA/Cv3 = Pressure-activated with Comply version 3 Adhesive PS/Cv3 = Pressure-sensitive with Comply version 3 Adhesive * Reflective films are slideable. Repositioning them may damage the optical properties.		

Overlaminate	Mils/Weight	Color	Adhesive	Features	Product Bulletin
3M™ Envision™ Gloss Wrap Overlaminate 8548G	2	Clear	PS	Gloss, High performance non-PVC	GP-1
3M™ Scotchcal™ Luster Overlaminate 3619	2	Clear	PS	Luster, for selected sign graphics	GP-1
3M™ Scotchcal™ Matte Overlaminate 3620	2	Clear	PS	Matte, for selected sign graphics	GP-1
3M™ Scotchcal™ Gloss Overlaminate 8518	2	Clear	PS	Gloss, for most graphics	GP-1
3M™ Scotchcal™ Luster Overlaminate 8519	2	Clear	PS	Luster, for most graphics	GP-1
3M™ Scotchcal™ Matte Overlaminate 8520	2	Clear	PS	Matte, for most graphics	GP-1
3M™ Scotchcal™ Gloss Overlaminate 8528	2	Clear	PS	Gloss, high performance, superior UV protection	GP-1
3M™ Scotchcal™ Gloss Overlaminate 8580	1.2	Clear	PS	Gloss, for vehicle wraps on film UJ380Cv3 only	GP-1
3M™ Scotchcal™ Luster Overlaminate 8908	2.5	Clear	PS	Luster, non-vinyl, short term	GP-1
3M™ Scotchcal™ Matte Overlaminate 8909	2.5	Clear	PS	Matte, non-vinyl, short term	GP-1
3M™ Scotchcal™ Optically Clear Overlaminate 8914	2	Clear	PS	Optically clear gloss, for windows or selected clear films	GP-1
3M™ Scotchcal™ Ultra Matte Overlaminate 8915	1	Clear	PS	Ultra matte, reduces glare	GP-1
3M™ Scotchcal™ Luster Overlaminate 3645	8	Clear	PS	Luster, for floor graphics	GP-1
3M™ Piezo Ink Jet Protective Clear 8530	n/a	Liquid Clear	None	Luster, aqueous	8530
3M™ Screen Print Dirt Resistant Gloss Clear 1920DR	n/a	Liquid Clear	None	Gloss, solvent screen print clear	1900
3M™ Screen Print UV Gloss Clear 9740i	n/a	Liquid Clear	None	Gloss, UV- cured screen print clear	UV Clears

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**Warranty and Limited Liability.** The following is made in lieu of all other express or implied warranties, including any implied warranty of merchantability or fitness for a particular purpose. All 3M products are warranted to be free of defects in materials and manufacture at the time of shipment and to meet the specifications stated in the film or media's Product Bulletin. Also see the Commercial Graphics Warranty Brochure, which gives the terms, additional limitations of the warranty, if any, and limitations of liability.

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3M México, S.A. de C.V.  
Av. Santa Fe No. 55  
Caj Santa Fe del Alvaro Obregón  
México, D.F. 01210  
General 52-5-270-0400  
Fax 52-5-270-2259

3M Puerto Rico, Inc.  
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