



3M™ MCS™ Warranty

Finished Graphics Warranty Period, in Years, for Vertical Graphics Made with 3M Film, UV Inks and Graphic Protection using Printers Specified in this Matrix

For HP Designjet H35000 / H45000 Printer Series Using 3M™ Piezo Inkjet Ink Series 5400UV

Film	Notes	Graphic Protection	Vehicle	Outdoor	Watercraft	Indoor
2 MIL GRAPHIC FILMS						
IJ170Cv3		8518, 8519, 8520, 8915	7	4	2	8
	D	8528, 8548G	7/2	4	2	8
		9740i	5	4	2	8
		none	—	3	—	3
IJ180-10	D	8518, 8519, 8520, 8915	7	4	2	8
IJ180C-10		8528, 8548G	7/2	4	2	8
IJ180Cv3-10		9740i	5	4	2	8
		none	—	3	—	3
IJ380Cv3	A, D	8548G	5/2	—	2	—
		8580	3	—	2	—
IJ8150	D	8518, 8519, 8520, 8915, 8914	3	3	—	8
		8528	3/2	3	—	8
		9740i	3	3	—	8
		none	—	—	—	2
IJ181		8518, 8519, 8520, 8915	5	4	—	8
		9740i	5	4	—	8
		none	—	3	—	3
IJ3630-20	C	3619, 3620	—	6	—	8
		8518, 8519, 8520, 8915	—	4	—	8
		9740i	—	4	—	8
		none	—	3	—	3
IJ3650-10		3619, 3620	—	6	—	8
IJ3650-114		8518, 8519, 8520, 8915	—	4	—	8
		9740i	—	4	—	8
		none	—	3	—	3

Film	Notes	Graphic Protection	Vehicle	Outdoor	Indoor
2 MIL GRAPHIC FILMS, continued					
IJ3730-50	C	3619, 3620	—	6	8
IJ3730-60		8518, 8519, 8520, 8915	—	4	8
		9740i	—	4	8
		none	—	3	3
4 MIL GRAPHIC FILMS					
IJ160-10		8518, 8519, 8520, 8915	3	3	5
IJ160C-10		8528	3	3	5
		9740i	3	3	5
		none	—	3	3
IJ162-10		3645	—	—	1
IJ162-114		8518, 8519, 8520, 8915	3	3	5
		9740i	3	3	5
		none	—	3	3
3545C		8518, 8519, 8520, 8915	3	3	5
		8908, 8909	1	1	3
IJ3555		8518, 8519, 8520, 8915	2	2	2
		9740i	2	2	2
		none	—	2	2

Film	Graphic Protection	Vehicle	Outdoor	Railroad	Indoor
REFLECTIVE FILMS					
IJ680-10	8518, 8519	7	4	4	8
	9740i	5	4	4	8
	none	—	3	—	3
IJ5100R	8518, 8519	4	3	—	4
IJ5100	9740i	4	3	—	4

GET MORE INFORMATION! When working on-line, click on the film number to go right to the Product Bulletin.

Notes

- A Film IJ380Cv3 with overlamine 8580 or 8548G are for auto and watercraft wraps only.
- 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.

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; Removable	480Cv3
3M™ Controltac™ Graphic Film IJ160-10		4	White	PA	Slideable, Repositionable; Removable	PU160/160C
3M™ Controltac™ Graphic Film IJ360C-10		4	White	PA/C	Same as IJ160 plus air release channels	PU162
3M™ Controltac™ Graphic Film IJ162-10, IJ162-114		4	White or Clear	PA	Slideable, Repositionable; Removable	IJ170Cv3
3M™ Scotchcal™ Graphic Film with Comply™ Adhesive IJ170Cv3-10		2	White	PS/Cv3	Conformable over rivets and corrugations; Non-visible air release channels; Excellent air flow; Removable with heat and/or chemicals; Suitable for watercraft.	PU180/180C
3M™ Controltac™ Graphic Film IJ180-10		2	White	PA	Slideable, Repositionable; Conformable over rivets and corrugations; Removable with heat and/or chemicals; Suitable for watercraft	IJ181
3M™ Controltac™ Graphic Film with Comply™ Adhesive IJ180C-10	Yes	2	White	PA/C	Same as IJ180 plus air release channels	IJ380Cv3
3M™ Controltac™ Graphic Film with Comply™ v3 Adhesive IJ180Cv3-10	Yes	2	White	PA/Cv3	Same as IJ180 plus non-visible air release channels; excellent air flow	IJ352C
3M™ Controltac™ Graphic Film IJ181		2	White	PS	Designed for application to stainless steel; permanent	IJ355
3M™ Controltac™ Graphic Film with Comply™ Adhesive IJ380Cv3-10		2	White	PA	Slideable, Repositionable; Non-visible air release channels, excellent air flow; Highly conformable over rivets and corrugations; Removable without heat or chemicals; For vehicle and watercraft wraps only	IJ3630
3M™ Scotchcal™ Translucent Graphic Film IJ3630-20		2	Translucent white	PS	Superior layflat characteristics; Permanent	IJ3650
3M™ Scotchcal™ Graphic Film IJ3650-10, IJ3650-114	Yes	2	White or Clear	PS	Permanent	IJ3630/3730
3M™ Envision™ Translucent Film IJ3730-50 or IJ3730-60		2	Translucent white	PS	Permanent; Clear synthetic liner; Optimized for LED lighting applications	PU3470
3M™ Scotchcal™ Graphic Film IJ3470		4	White	PS	Removable	3545C
3M™ Controltac™ Removable Graphic Film with Comply™ Adhesive 3545C		4	White	PA/C	Polyolefin; Slideable, Repositionable; Air release channels; Removable	PU3552C
3M™ Controltac™ Changeable Graphic Film with Comply™ Adhesive IJ3552C-10	Yes	2	White	PA/C	Slideable, Repositionable; Changeable for cleanest removal	PU3555
3M™ Scotchcal™ Changeable Graphic Film IJ3555		4	White	PS	Low temperature application; Removable without heat/chemicals	5000
3M™ Scotchlite™ Reflective Graphic Film IJ5000		6	Reflective white	PS	Permanent	5100R
3M™ Scotchlite™ Reflective Graphic Film IJ5100R		6	Reflective white	PS	Removable	5100
3M™ Scotchlite™ Reflective Graphic Film IJ5100		6	Reflective white	PS	Permanent	PU680
3M™ Scotchlite™ Reflective Graphic Film IJ680-10		7-8	Reflective white	PA	Slideable*; Conformable over corrugations and rivets; Permanent	PU680CR
3M™ Scotchlite™ Removable Reflective Graphic Film with Comply™ Adhesive IJ680CR-10		7-8	Reflective white	PA/C	Slideable*; Air release channels; Conformable over corrugations and rivets; Removable	PU8150
3M™ Scotchcal™ Clear View Graphic Film IJ8150		2	Clear	PS	Optically clear, Removable	PU8171
3M™ Scotchcal™ Perforated Window Graphic Film IJ8171		4	Perforated	PS	50% perforation pattern; Removable	P3
3M™ Panagraphics™ III Wide Width Flexible Substrate		22 oz/sq yd	Translucent white	None	Flexible sign face; Seamable	

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 IJ380Cv3 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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