



3M™ MCS™ Warranty

Finished Graphics Warranted Durability, in Years, for Vertical Graphics Made with 3M Film, Solvent Inks and Graphic Protection using Printer Specified in this Matrix

For Oce Arizona 600 Printer Using 3M™ Piezo Inkjet Ink Series 5500

Film	Notes	Graphic Protection	Vehicle	Outdoor	Watercraft	Indoor
2 MIL GRAPHIC FILMS						
FN180-10	C	8518, 8519, 8520, 8528, 8915	7	4	2	8
FN180C-10		8908, 8909	—	1	—	3
FN180Cv3-10		1920DR	5	4	2	8
		9720UV	5	4	2	8
		9720i	5	4	2	8
		8530	2	2	—	3
		none	—	3	—	3
FN3552C	A	8518, 8519, 8520, 8915	2/1	2/1	—	2/1
FN3630-20	B	3619, 3620	—	6	—	8
		8518, 8519, 8520, 8915	—	4	—	8
		8908, 8909	—	1	—	3
		1920DR	—	4	—	8
		9720UV	—	4	—	8
		9720i	—	4	—	8
		none	—	3	—	3
FN3650-114		3619, 3620	—	6	—	8
		8518, 8519, 8520, 8915	—	4	—	8
		8908, 8909	—	1	—	3
		1920DR	—	4	—	8
		9720UV	—	4	—	8
		9720i	—	4	—	8
		none	—	3	—	3

Film	Graphic Protection	Vehicle	Outdoor	Indoor
4 MIL GRAPHIC FILM				
FN160-10	8518, 8519, 8520, 8915	3	3	5
FN160C-10	1920DR	3	3	5
	9720UV	3	3	5
	9720i	3	3	5
	8530	2	2	3
	none	—	2	3

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

Notes

- A** IJ3552C is 2 years when applied to flat and simple curved surfaces; 1 year when applied to compound curved surfaces, heated and stretched to conform.
- B** IJ3630 may be applied to 3M™ Panagraphics™ III Wide-Width Flexible Substrate or 3M™ Panaflex™ Flexible Substrate 945GPS.
- C** Overlamine 8528 has a horizontal warranty of 2 years on vehicle graphics when used on the wrap films specified in this matrix.

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. Always refer to the applicable Warranty Matrix for the recommended graphic constructions.

Film/Media	FN Version Available	Mils/Weight	Color	Adhesive	Features	Product Bulletin
3M™ Controltac™ Graphic Film IJ160-10		4	White	PA	Slideable, Repositionable; Removable	PU160/160C
3M™ Controltac™ Graphic Film IJ160C-10		4	White	PA/C	Same as IJ160 plus air release channels	
3M™ Controltac™ Graphic Film IJ162-10, IJ162-114		4	White or Clear	PA	Slideable, Repositionable; Removable	PU162
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.	IJ170Cv3
3M™ Controltac™ Graphic Film IJ180-10	Yes	2	White	PA	Slideable, Repositionable; Conformable over rivets and corrugations; Removable with heat and/or chemicals; Suitable for watercraft	PU180/180C
3M™ Controltac™ Graphic Film with Comply™ Adhesive IJ180C-10	Yes	2	White	PA/C	Same as IJ180 plus air release channels	
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	
3M™ Controltac™ Graphic Film IJ181		2	White	PSA	Designed for application to stainless steel; permanent	IJ181
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	IJ380Cv3
3M™ Scotchcal™ Translucent Graphic Film IJ3630-20	Yes	2	Translucent or White	PSA	Superior layflat characteristics; Permanent	PUJ3630
3M™ Scotchcal™ Graphic Film IJ3650-10, IJ3650-114	Yes	2	White or Clear	PSA	Permanent	PUJ3650
3M™ Scotchcal™ Graphic Film IJ3470		4	White	PSA	Removable	PUJ3470
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 IJ3552C-10	Yes	2	White	PA/C	Slideable, Repositionable; Changeable for cleanest removal	PUJ3552C
3M™ Scotchcal™ Changeable Graphic Film IJ3555		4	White	PSA	Low temperature application; Removable without heat/chemicals	PUJ3555
3M™ Scotchlite™ Reflective Graphic Film IJ5000		6	Reflective white	PSA	Removable	5000
3M™ Scotchlite™ Reflective Graphic Film IJ5100R		6	Reflective white	PSA	Removable	5100R
3M™ Scotchlite™ Reflective Graphic Film IJ5100		6	Reflective white	PSA	Permanent	5100
3M™ Scotchlite™ Reflective Graphic Film IJ680-10		7-8	Reflective white	PA	Slideable*; Conformable over corrugations and rivets; Permanent	PUJ680
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	PUJ680CR
3M™ Scotchcal™ Perforated Window Graphic Film IJ8171		4	Perforated	PSA	50% perforation pattern; Removable	PUJ8171
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 a FN prefix are forward wound on a notched core.			White film is opaque unless otherwise noted.		PSA = 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.	
Overlaminates		Mils/Weight	Color	Adhesive	Features	Product Bulletin
3M™ Scotchcal™ Luster Overlaminates 3619		2	Clear	PSA	Luster, for selected sign graphics	GP-1
3M™ Scotchcal™ Matte Overlaminates 3620		2	Clear	PSA	Matte, for selected sign graphics	GP-1
3M™ Scotchcal™ Gloss Overlaminates 8518		2	Clear	PSA	Gloss, for most graphics	GP-1
3M™ Scotchcal™ Luster Overlaminates 8519		2	Clear	PSA	Luster, for most graphics	GP-1
3M™ Scotchcal™ Matte Overlaminates 8520		2	Clear	PSA	Matte, for most graphics	GP-1
3M™ Scotchcal™ Gloss Overlaminates 8528		2	Clear	PSA	Gloss, high performance, superior UV protection; vehicle wraps only	GP-1
3M™ Scotchcal™ Gloss Overlaminates 8580		1.2	Clear	PSA	Gloss, for vehicle wraps on film IJ380Cv3 only	GP-1
3M™ Scotchcal™ Luster Overlaminates 8908		2.5	Clear	PSA	Luster, non-vinyl, short term	GP-1
3M™ Scotchcal™ Matte Overlaminates 8909		2.5	Clear	PSA	Matte, non-vinyl, short term	GP-1
3M™ Scotchcal™ Optically Clear Overlaminates 8914		2	Clear	PSA	Optically clear gloss, for windows	GP-1
3M™ Scotchcal™ Ultra Matte Overlaminates 8915		2	Clear	PSA	Ultra matte, reduces glare	GP-1
3M™ Scotchcal™ Luster Overlaminates 3645		8	Clear	PSA	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 Gloss Clear 9720UV		n/a	Liquid Clear	None	Gloss, UV-cured screen print clear	Clear 9720
3M™ Screen Print UV Gloss Clear 9720I		n/a	Liquid Clear	None	Gloss, UV- cured screen print clear	Clear 9720

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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 Graphics Market Center Warranty Brochure, which gives the terms, additional limitations of the warranty, if any, and limitations of liability.

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