

3M™ MCS™ Warranty for printers manufactured by Mutoh

Warranty is stated in years for Geographical zones: 1/2/3 (For more details refer to the last page of this document.).		Mutoh			Mutoh			
Only graphics manufacturers having a current Certificate of 3M™ MCS™ Warranty are eligible to extend this Warranty to their customers.		ValueJet 1638X, 2638			Spitfire Extreme 65 / 90 / 100 Blizzard 65 / 90			
Release : November 2015 Supersedes : May 2015	Review the notes below the table and on the last page of this document, please.	Mutoh + 3M™ Universal Mild Solvent Inks			3M™ Piezo Inkjet Ink Series 6900			
Area of application:		FL	SI	IN	FL	SI	IN	
Premium Graphic Films								
LX480Cv3 SV480Cv3	A B D F	unprotected	-	3/2/1	8	-	3/2/1	8
		8548G, 8549L	6/5/4	4/3/2	8	6/5/4	5/4/2	8
		8580, 8580M	6/5/4	4/3/2	8	6/5/4	5/4/2	8
		1920DR	-	-	-	-	-	-
		9740i UV	-	-	-	-	-	-
		SG8991	5/3/1	4/2/0.5	8	5/3/1	4/2/0.5	8
		SG8993 SG8995-124	5/4/3 -	4/3/2 -	8 5	5/4/3 -	4/3/2 -	8 5
IJ380-10 IJ380-20	A	unprotected	-	-	-	-	-	-
		8548G, 8549L	6/5/4	4/3/2	8	6/5/4	5/4/2	8
		8580, 8580M	6/5/4	4/3/2	8	6/5/4	4/3/2	8
		1920DR	-	-	-	-	-	-
		9740i UV	-	-	-	-	-	-
IJ180-10 IJ180Cv3-10	A C	unprotected	-	3/2/1	8	-	3/2/1	8
		8518, 8520, 8915	6/5/4	4/3/2	8	6/5/4	4/3/2	8
		8548G, 8549L	6/5/4	4/3/2	8	6/5/4	5/4/2	8
		8580, 8580M	6/5/4	4/3/2	8	6/5/4	4/3/2	8
		1920DR	-	-	-	-	-	-
		9740i UV	-	-	-	-	-	-
		SG8991 SG8993 SG8995-124	5/3/1 5/4/3 -	4/2/0.5 4/3/2 -	8 8 5	5/3/1 5/4/3 -	4/2/0.5 4/3/2 -	8 8 5
IJ160-10 IJ160C-10	A	unprotected	-	3/2/1	5	-	3/2/1	5
		8518, 8520, 8915	5/4/3	4/3/2	5	5/4/3	4/3/2	5
		1920DR	-	-	-	-	-	-
		9740i UV	-	-	-	-	-	-
		SG8991	5/3/1	4/2/0.5	5	5/3/1	4/2/0.5	5
		SG8993 SG8995-124	5/4/3 -	4/3/2 -	5 5	5/4/3 -	4/3/2 -	5 5
Intermediate Graphic Films								
IJ170Cv3-10	A C	unprotected	-	3/2/1	5	-	3/2/1	5
		8518, 8520, 8915	5/4/3	4/3/2	5	5/4/3	4/3/2	5
		8548G, 8549L	5/4/3	4/3/2	5	5/4/3	4/3/2	5
		8580, 8580M	5/4/3	4/3/2	5	5/4/3	4/3/2	5
		1920DR	-	-	-	-	-	-
		9740i UV	-	-	-	-	-	-
		SG8991	5/3/1	4/2/0.5	5	5/3/1	4/2/0.5	5
		SG8993 SG8995-124	5/4/3 -	4/3/2 -	5 5	5/4/3 -	4/3/2 -	5 5
IJ70-10 IJ70-114	A C	unprotected	-	3/2/1	5	-	3/2/1	5
		70-114, 8518, 8520, 8915	5/4/3	4/3/2	5	5/4/3	4/3/2	5
		8548G, 8549L	5/4/3	4/3/2	5	5/4/3	4/3/2	5
		8580, 8580M	5/4/3	4/3/2	5	5/4/3	4/3/2	5
		1920DR	-	-	-	-	-	-
		9740i UV	-	-	-	-	-	-
		SG8991 SG8993 SG8995-124	5/3/1 5/4/3 -	4/2/0.5 4/3/2 -	5 5 5	5/3/1 5/4/3 -	4/2/0.5 4/3/2 -	5 5 5

A = Application to non-vertical surfaces = 50% of warranty given for vertical applications

B = 8548G, 8549L: Application to horizontal surfaces = 25% of warranty given for vertical applications

C = Use of overlaminates 8580 or 8580M does not bypass general limitations of the base film with deep contour applications

F= Use LX480Cv3 with Latex Inkjet Inks. Use SV480Cv3 with Solvent Inkjet Inks. Both versions can be used with UV Inkjet Inks.

D = LX480Cv3 or SX480Cv3 needs at deep recesses tempering of the stretched area at temperatures around 110°C

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Release : November 2015 Supersedes : May 2015			Mutoh + 3M™ Universal Mild Solvent Inks			3M™ Piezo Inkjet Ink Series 6900		
			Area of application:					
			FL	SI	IN	FL	SI	IN
Intermediate Graphic Films								
48-20, 48-20R	A	unprotected	-	-	-	-	-	-
48C-20, 48C-20R		8048G	4/3.5/2.5	3/3/2	5	4/3.5/2.5	3/3/2	5
IJ40, IJ40C, 40C	A	unprotected	-	-	-	-	-	-
white gloss & matte		8038G, 8040M	4/3.5/2.5	3/3/2	5	4/3.5/2.5	3/3/2	5
IJ40		unprotected	-	-	-	-	-	-
transparent gloss & matte		8038G, 8040M	3/3/2	3/2.5/1.5	5	3/3/2	3/2.5/1.5	5
IJ37-10		unprotected	-	-	-	-	-	-
		8018G, 8020M	-	-	-	-	-	-
Promotional Graphic Films								
Series 25		unprotected	-	1.5/1.25/1	3	-	1.5/1.25/1	3
		8008G, 8010M	1.5/1.25/1	1.5/1.25/1	3	1.5/1.25/1	1.5/1.25/1	3
Series 20		unprotected	-	1/0.75/0.5	2	-	1/0.75/0.5	2
		8008G, 8010M	1/0.75/0.5	1/0.75/0.5	2	1/0.75/0.5	1/0.75/0.5	2
Graphic Films for Special Applications								
SC8173	E	unprotected	-	1/1/1	1	-	1/1/1	1
SC8173 for UV		8914i	1/1/1	1/1/1	1	1/1/1	1/1/1	1
SC8176 for UV	E I	unprotected	-	-	1	-	-	1
IJ162-10, IJ40-114	I	3645	-	-	1	-	-	1
IJ25-10R	I	3649	-	-	0.25	-	-	0.25
IJ3630-20		unprotected	-	3/2/1	3	-	3/2/1	3
IJ3630LED-20		3619, 3620, 3658G, 3660M	-	5/4/3	8	-	5/4/3	8
		8518, 8520, 8915	-	4/3/2	6	-	4/3/2	6
		1920DR	-	-	-	-	-	-
		9740i UV	-	-	-	-	-	-
IJ3730-50		unprotected	-	3/2/1	3	-	3/2/1	3
IJ3730-60		3619, 3620, 3658G, 3660M	-	5/4/3	8	-	5/4/3	8
		8518, 8520, 8915	-	4/3/2	6	-	4/3/2	6
		1920DR	-	-	-	-	-	-
		9740i UV	-	-	-	-	-	-
IJ63-10		unprotected	-	-	-	-	-	
		8008G, 8010M	-	-	-	-	-	
IJ680-10 CR	A	unprotected	-	-	-	-	-	
IJ680-10 CR E		8518	5/4/3	4/3/2	8	5/4/3	4/3/2	8
		1920DR	-	-	-	-	-	-
		9740i UV	-	-	-	-	-	
Panagraphics III		unprotected	-	-	-	-	-	
		3619, 3620, 3658G, 3660M	-	-	-	-	-	
		8518, 8520, 8915	-	-	-	-	-	
Envision FS-1		unprotected	-	-	-	-	-	
		3619, 3620, 3658G, 3660M	-	-	-	-	-	
		8518, 8520, 8915	-	-	-	-	-	
SC8150		unprotected	-	3/2/1	5	-	3/2/1	5
		8150	5/4/3	4/3/2	7	5/4/3	4/3/2	7
IJ3650-10		8518, 8520, 8915	5/4/3	4/3/2	5	5/4/3	4/3/2	5
IJ3650-114		SG8991	5/3/1	4/2/0.5	5	5/3/1	4/2/0.5	5
		SG8993	5/4/3	4/3/2	5	5/4/3	4/3/2	5

A = Application to non-vertical surfaces = 50% of warranty given for vertical applications

E = Available in two versions! Use "for UV" version with UV Inkjet Inks. Use SC8173 with Solvent and Latex Inkjet Inks.

I = Interior use only

Important Notes:

- Finished graphic warranty periods are given in years for vertical graphic exposure and a maximal height of 1500 m above sea level.
- They are based on the recommended types of graphics and end uses of the product. See the product bulletin for the specific 3M film for limitations of end use.
- Graphics used on the exterior of any type of vehicle or subjected to abrasion or chemical require a 3M Graphic Protection (overlamine or clear).
- Product offering might vary from country to country. Local availability of selected graphics constructions should be clarified with your local 3M subsidiary.

Geographical Zones:

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

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

FL= Fleet: Application to any kind of vehicle like buses, vans, passenger vehicles, trucks, trailers.

SI = Sign: Application with a static geographic direction at an altitude lower 1500 m and without exposure to any adjacent reflecting surface.

IN = Interior: Application inside a building without direct exposure to the elements.

Types of exposure:



Vertical: The face of the graphic is $\pm 10^\circ$ from vertical. Unless otherwise noticed is this type of exposure the base for the mentioned warranty periods.



Non-vertical: The face of the graphic is greater than 10° from vertical and greater than 5° from horizontal.



Horizontal: The face of the graphic is $\pm 5^\circ$ from horizontal.

Further reading:

[Link to additional information about 3M Graphic Warranties.](#)

[Visit the web site of your local subsidiary for getting more:](#)

- additional product and instruction bulletins.
- a complete product overview about materials 3M is offering.

All questions of warranty and liability relating to this product are governed by the terms and conditions of the sale, subject, where applicable, to the prevailing law.

[Contact your local sales organisation for details, please.](#)

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