

# 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)			Expected performance life (durability), unprinted, outdoor	Mutoh			Mutoh			
<b>Only graphics manufacturers having a current Certificate of 3M™ MCS™ Warranty are eligible to extend this Warranty to their customers.</b>				ValueJet 1638X, 2638			Spitfire Extreme 65 / 90 / 100 Blizzard 65 / 90			
Release : June 2017 Supersedes : March 2017				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
<b>Premium Films</b>										
LX480Cv3 LX480mC SV480Cv3 SV480mC	A B D F K	Unprotected	12	-	3/2/1	8	-	3/2/1	8	8
		8548G, 8549L, 8550M	10	6/5/4	4/3/2	8	6/5/4	5/4/2	8	8
		8580, 8580M	7	6/5/4	4/3/2	8	6/5/4	5/4/2	8	8
		1920DR	7	-	-	-	-	-	-	-
		9740i UV	8	-	-	-	-	-	-	-
		SG8991	5	5/3/1	4/2/0.5	8	5/3/1	4/2/0.5	8	8
		SG8993	5	5/4/3	4/3/2	8	5/4/3	4/3/2	8	8
		SG8995-124	-	-	-	5	-	-	5	5
IJ380-10 IJ380-20	A B	Unprotected	10	-	-	-	-	-	-	-
		8548G, 8549L, 8550M	10	6/5/4	4/3/2	8	6/5/4	5/4/2	8	8
		8580, 8580M	7	6/5/4	4/3/2	8	6/5/4	4/3/2	8	8
		1920DR	7	-	-	-	-	-	-	-
		9740i UV	8	-	-	-	-	-	-	-
180-10 180mC-114 180mC-120 180mC-10LSE 180mC-10SLS	A B C K	Unprotected -10/-114/-120	10/8/5	-	3/2/1	8	-	3/2/1	8	8
		8518, 8520, 8915	9	6/5/4	4/3/2	8	6/5/4	4/3/2	8	8
		8548G, 8549L, 8550M	10	6/5/4	4/3/2	8	6/5/4	5/4/2	8	8
		8580, 8580M	7	6/5/4	4/3/2	8	6/5/4	4/3/2	8	8
		8600	-	-	-	8	-	-	8	8
		8900	4	4/2.5/1.5	-	4	4/2.5/1.5	-	4	4
		1920DR	7	-	-	-	-	-	-	-
		9740i UV	8	-	-	-	-	-	-	-
		9760LX	-	-	-	-	-	-	-	-
		SG8991	5	5/3/1	4/2/0.5	8	5/3/1	4/2/0.5	8	8
		SG8993	5	5/4/3	4/3/2	8	5/4/3	4/3/2	8	8
		SG8995-124	-	-	-	5	-	-	5	5
180-10UR	A	8518, 8520, 8915	8	2/2/2	2/2/2	2	2/2/2	2/2/2	2	2
		9760LX	8	2/2/2	2/2/2	2	2/2/2	2/2/2	2	2
IJ170Cv3-10  Important note: 3M™ MCS™ warranty for this product does not apply to UK & Ireland.	A C	Unprotected	8	-	3/2/1	5	-	3/2/1	5	5
		8518, 8520, 8915	8	5/4/3	4/3/2	5	5/4/3	4/3/2	5	5
		8548G, 8549L, 8550M	8	5/4/3	4/3/2	5	5/4/3	4/3/2	5	5
		8580, 8580M	7	5/4/3	4/3/2	5	5/4/3	4/3/2	5	5
		8900	4	4/2.5/1.5	-	4	4/2.5/1.5	-	4	4
		1920DR	7	-	-	-	-	-	-	-
		9740i UV	8	-	-	-	-	-	-	-
		9760LX	-	-	-	-	-	-	-	-
		SG8991	5	5/3/1	4/2/0.5	5	5/3/1	4/2/0.5	5	5
		SG8993	5	5/4/3	4/3/2	5	5/4/3	4/3/2	5	5
		SG8995-124	-	-	-	5	-	-	5	5
		IJ160-10 IJ160C-10	A	Unprotected	8	-	3/2/1	5	-	3/2/1
8518, 8520, 8915	8			5/4/3	4/3/2	5	5/4/3	4/3/2	5	5
1920DR	7			-	-	-	-	-	-	-
9740i UV	8			-	-	-	-	-	-	-
SG8991	5			5/3/1	4/2/0.5	5	5/3/1	4/2/0.5	5	5
SG8993	5			5/4/3	4/3/2	5	5/4/3	4/3/2	5	5
SG8995-124	-	-	-	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

D = LX480mC or SX480mC needs at deep recesses tempering of the stretched area at temperatures around 110°C

F= Use LX480mC with Latex Inkjet Inks. Use SV480mC with Solvent Inkjet Inks. Both versions can be used with UV Inkjet Inks.

Note! Statements marked with '\*': With this UV printer LX480mC only!

K = This product can be used for applications on watercrafts. See additional table at the end of this document, please

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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 : June 2017 Supersedes : March 2017				Mutoh + 3M™ Universal Mild Solvent Inks			3M™ Piezo Inkjet Ink Series 6900		
Review the notes below the table and on the last page of this document, please.									
Area of application:			-	FL	SI	IN	FL	SI	IN
Premium Films									
IJ70-10	A C	Unprotected	6	-	3/2/1	5	-	3/2/1	5
IJ70-114		70-114, 8518, 8520, 8915	6	5/4/3	4/3/2	5	5/4/3	4/3/2	5
		8548G, 8549L, 8550M	6	5/4/3	4/3/2	5	5/4/3	4/3/2	5
		8580, 8580M	6	5/4/3	4/3/2	5	5/4/3	4/3/2	5
		1920DR	7	-	-	-	-	-	-
		9740i UV	8	-	-	-	-	-	-
		SG8991	5	5/3/1	4/2/0.5	5	5/3/1	4/2/0.5	5
		SG8993	5	5/4/3	4/3/2	5	5/4/3	4/3/2	5
		SG8995-124	-	-	-	5	-	-	5
Intermediate Films									
48-20, 48-20R	A	Unprotected	5	-	-	-	-	-	-
48C-20, 48C-20R		8048G, 8050M	5	4/3.5/2.5	3/3/2	5	4/3.5/2.5	3/3/2	5
		SG8993	5	4/3.5/2.5	3/3/2	5	4/3.5/2.5	3/3/2	5
		SG8995-124	-	-	-	5	-	-	5
IJ40, IJ40C, 40C		Unprotected	7	-	3/2/1	5	-	3/2/1	5
white gloss & matte	A	8038G, 8040M	7	4/3.5/2.5	3/3/2	5	4/3.5/2.5	3/3/2	5
IJ40		Unprotected	5	-	3/2/1	5	-	3/2/1	5
transparent gloss & matte		8038G, 8040M	5	3/3/2	3/2.5/1.5	5	3/3/2	3/2.5/1.5	5
IJ37-10		Unprotected	5	-	-	-	-	-	-
		8018G, 8020M	5	-	-	-	-	-	-
Special Applications									
SC8173	E	Unprotected	1	-	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	1
IJ160-10, IJ40-10, IJ40-114	I	3645	-	-	-	1	-	-	1
IJ25-10R	I	3649	-	-	-	0,25	-	-	0,25
IJ3630-20		Unprotected	8	-	3/2/1	3	-	3/2/1	3
IJ3630LED-20		3619, 3620, 3658G, 3660M	7	-	5/4/3	8	-	5/4/3	8
IJ3730-50		8518, 8520, 8915	8	-	4/3/2	6	-	4/3/2	6
IJ3730-60		1920DR	7	-	-	-	-	-	-
		9740i UV	8	-	-	-	-	-	-
IJ680-10 CR		Unprotected	10	-	-	-	-	-	-
IJ680-10 CR E	A	8518	9	5/4/3	4/3/2	8	5/4/3	4/3/2	8
780mC-10R		8548G	10	5/4/3	4/3/2	8	5/4/3	4/3/2	8
		1920DR	7	-	-	-	-	-	-
		9740i UV	8	-	-	-	-	-	-
Panagraphics III		Unprotected	9	-	-	-	-	-	-
		3619, 3620, 3658G, 3660M	8	-	-	-	-	-	-
		8518, 8520, 8915	8	-	-	-	-	-	-
Envision FS-1		Unprotected	9	-	-	-	-	-	-
		3619, 3620, 3658G, 3660M	8	-	-	-	-	-	-
		8518, 8520, 8915	8	-	-	-	-	-	-
SC8150		Unprotected	7	-	3/2/1	5	-	3/2/1	5
IJ8150		8150	7	5/4/3	4/3/2	7	5/4/3	4/3/2	7
IJ3650-10		3650-114, 8518, 8520, 8915	6	5/4/3	4/3/2	5	5/4/3	4/3/2	5
IJ3650-114		SG8991	5	5/3/1	4/2/0.5	5	5/3/1	4/2/0.5	5
		SG8993	5	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

## 3M™ MCS™ Warranty for Watercrafts

Warranty is stated in years for geographical zones 1/2/3 (For more details refer to the last page of this document)  <b>Only graphics manufacturers having a current Certificate of 3M™ MCS™ Warranty are eligible to extend this Warranty to their customers.</b>	<b>Watercrafts</b>
Release : June 2017 Supersedes : March 2017	Review the notes below the table and on the last page of this document, please.

Graphic Films	J	Substrate	Exposure	Protection		
LX480Cv3 SV480Cv3	J	White	Various	Vertical	8548G, 8549L	3/2/1
				Non-vertical	8548G, 8549L	1.5/1/0.5
				Horizontal	8548G, 8549L	0.75/0.5/0.25
IJ180-10 IJ180Cv3-10	J	White	Various	Vertical	8518, 8520	3/2/1
				Non-vertical	8518, 8521	1.5/1/0.5
				Horizontal	8518, 8522	0.75/0.5/0.25

J = Using a printer qualified to 3M™ MCS™ Warranty or Performance Guarantee

**Important Notes:**

- Note the specific requirements for applications on watercrafts given in Instruction Bulletin 5.42.
- All cut seams and edges must be edge sealed or edge taped.
- All graphics must be applied minimum 1.2 cm above the static water line.

**Further reading:**

[Link to special instructions for applications on watercrafts.](#)

# 3M™ MCS™ Warranty and Performance Guarantee

## Overview of all released printers

### Important Notes:

- Finished graphic warranty periods are given in years for vertical graphic exposure and a maximal height of 1500 m above sea level.
- Statements 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 (overlaminated 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 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  $10^\circ$  from vertical and greater than  $5^\circ$  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.

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