



MACtac IMAGin JT5000 series Warranty for IJSB Printing using Fujifilm Sericol's Color+ solvent-based inkjet inks

Introduction

MACtac is a manufacturer of high quality pressure sensitive films for the Graphics and Decorative Market including digital imaging media for wide-format solvent based and UV inkjet printing equipment. Manufactured to the highest quality standards to meet the specific requirements of printers and end-users for short, medium or long term outdoor applications in Advertising & Promotion,

Fujifilm Sericol is a leading developer, manufacturer and service provider of innovative inkjet inks for the digital printing industry serving the key markets of large format graphics. The **MACtac – Fujifilm Sericol Warranty Document** has been prepared to give the printer and the end-user the complete assurance that finished Graphics manufactured by MACtac and printed with Sericol Color+ inks fulfill the specific requirements of the above mentioned Market Segments.

1. Product Warranty Coverage :

The Warranty covers the following products : JT5822P, JT5824P, JT5829P, JT5828P, JT5929P, JT5928P and JT5529P **on outdoor durability** under normal vertical exposure conditions as stated in this Warranty Document and providing the Products have been stored, printed with the above mentioned inks & printing equipment from the supplier named below, over-laminated and applied to properly cleaned surfaces in accordance with the MACtac Application Procedures as can be found in MACtac's Technical Literature and Application Guide (available on cd-rom)

Any other technical specifications on the Products as can be found in our Technical data Sheets, such as the physical properties of the unprinted film, shelf life or recommended processing instructions do not fall within the scope of this Warranty Document .

Warranted outdoor durability coverage for JT5000 & LF over-lamination films printed on the following printers & inks

Supplier & Series	Ink
Vutek UltraVu	Sericol Color+ Series 70 YT
Fujifilm Vybrant	Sericol Color+ Series 70 YT



in combination with the following MACTac media & over-laminates

Printing media (1)	Over-laminate (2)	Total period of warranty (1)+(2)	Full compensation period	Proportional compensation period	Proportional compensation factor
JT5822P	LF3899, LF3894, LF3898	2 years	12 months	13-24 months	1/12
JT5824P	LF3899, LF3894, LF3898	2 years	12 months	13-24 months	1/12
JT5829P	LF3899, LF3894, LF3898	3 years	12 months	13-36 months	1/24
JT5828P	LF3899, LF3894, LF3898	3 years	12 months	13-36 months	1/24
JT5929P	LF3999, LF3998	4 years	12 months	13-48 months	1/36
JT5928P	LF3999, LF3998	4 years	12 months	13-48 months	1/36
JT5529P	LF3697 LF3399	4 years	12 months	13-48 months	1/36

A full description of the above mentioned products i.e. Printing Media and Over-laminating films including the physical properties of these self-adhesive materials can be found in the corresponding Technical Data Sheets as published by MACTac.

Copies are available upon request or can be downloaded from our website www.mactacdigital.com.

Restrictions on the use of its products as published by MACTac and that can be found in the Technical Data Sheets or Technical Bulletins have to be taken into account by the Printer, Applicator or end-user . This Warranty Document does not overrule these restrictions of use.

All information on the inks can be obtained from Sericol on request or can be downloaded from our website www.fujifilmsericol.com

2. Terms of warranty :

A. The warranty time starts at the date of application of the Graphic providing the Graphic has been applied within one year of the original shipment date from MACTac.

B. Outdoor durability is defined as no appreciable deterioration from the Graphic when viewed from its intended viewing distance.

As graphics age, they are subject to typical ageing phenomena including, but not limited to, UV radiation, pollution and variable temperature changes which will result in some loss of gloss, slight fading, a small amount of cracking and edge lifting at cut edges. This is to be expected as normal consequences of weathering and are not warranted.

Warranted life is based on use in North European exposure condition. Areas with greater weather extremes such as south Europe, but also tropical, sub-tropical or desert regions cannot be expected to have the same durability. This also applies to areas with high pollution levels and south facing exposure. The MACTac cover zone system (Section 7) amends the durability figures as given for use of our printed graphics outside North Europe.

3. Compensation scheme :

- A. In the event of colour fading on inkjet printed IMAGin JT5000 series (as detailed below), MACTac & Sericol will compensate for the cost of repair or the replacement at MACTac's & Sericol option of the following :
 JT5000 film, LF laminates (see table for further details) including reprinting and conversion costs. Excluded are removal and re-application of the graphics.
- During the first year the compensation is 100% .
 - Depending on the product (see list) the compensation period covered by this warranty will be calculated using the following formula:

Customer compensation = PP x Q x N x F

PP = purchasing price on invoice to customer
 Q = quantities of defective material
 N = number of months remaining in the period of proportional compensation.
 F = factor of proportional compensation

Example :

Total period of warranty (*):	Full compensation period :	Proportional compensation period :	Proportional compensation factor :
3 years (36 months)	1 – 12 months	13– 36 months	1/24

(*) *The warranty starts at the date of application.*

4. Customer Responsibility in case of problem :

- A. Customer must stop using suspect material immediately and report suspicions within 30 days of discovery.
- B. MACTac must be supplied with a written claim which must include the following :
- Product names : printing substrate and over-laminate film.
 - Lot numbers of products involved
 - Printing equipment used for the job and printing inks.
 - Printing Ink batch number
 - Processing conditions
 - Installation date and Installer(s) name
 - Location of graphics
 - Application substrate

Any other details that MACTac may request to handle the claim.

- C. Customer's failure to provide MACTac with this written information in a timely manner, waives all rights under this warranty.



- D. A decision will be made on the material claimed only if MACtac has received all the necessary information.

5. Responsibility and limits of responsibility :

- A. Product information and recommendations issued by MACtac are based on test results that MACtac considers as reliable. If any product appears to be defective or not to be performing against the properties and standards of performance announced, MACtac will compensate the buyer, according to the compensation scheme which is described under Section 7.
- B. At MACtac's choice compensation will be made either by replacing the defective material by an equivalent quantity of good material, or by crediting the buyer for the amount of defective material.
- C. MACtac does not assume responsibility for indirect or additional costs such as labour costs, costs or expenses for the production of new graphics, lost production time, costs for removing defective graphics, cost for the application of new graphics or the cost of non-MACtac material.
- D. MACtac is not responsible for incidental or consequential damages, lost profit or loss of income or business for the buyer or the buyer's customer, resulting from the use of its products.
- E. The MACtac & Sericol Warranty will under no circumstances apply to Graphics where one of the components is not specifically mentioned in this document regardless which component or Manufacturer that may be. This applies for the printed media, over-laminate, ink or printer.

This Product Warranty is void in the event of any of the following :

- A. Product modification or damage, misuse, accident, negligence, mishandling, wrong application method or improper storing conditions by the Purchaser or Purchaser's customer.
- B. Improper "treatment" of graphics including, but not limited to, aggressive cleaning with solvents, abnormally high pressure or high temperature wash or mechanical cleaning which can expose the graphic to "too frequent" grinding movements or to chemicals which are incompatible with the pressure sensitive construction, engine fuel spills or other spilled fluids, vandalism.
- C. Graphics applied on inappropriate substrates which appear to be fragile or break with time, delaminate or show discharge of gas or advised against in our Technical Data Sheets.
- D. Liquid lamination or over-varnishing, as a replacement of over-lamination, is not covered by this Warranty Document.
- E. Unintended Use Limitations: MACtac's warranty cover only those uses as described in MACtac Technical Data Sheet. Determination of suitability of use in any other application is solely the responsibility of buyer who assumes all risks and liability thereof.
- F. Glass as an Application Surface : MACtac accepts no liability for glass breakage as a results of the application of MACtac products. The ability of glass to absorb and dissipate heat without stresses resulting in breakage is very dependent on the glass structure, sun exposure and various edge, tinting or other subsequent treatments. Application of vinyl films, especially very dark colours, can modify the glass' ability to cool which could result in breakage.

6. Miscellaneous :

- A. This warranty replaces all previous documents on warranty issued by MACtac concerning the above mentioned materials for deliveries from 1st June 2007 onwards.
- B. This document was made originally in English and final interpretation will be made according to the English version.
- C. This warranty is governed by Belgian law.
- D. It is expressly understood that payment of any warranty claim may only be construed as an accommodation, and not as an admission of any liability.

7. MACtac Cover Zone System

As stated in Chapter 1, point C, the outdoor durability figures given under Section 6 are based on North European exposure conditions (Zone 1).

<u>Zone 1</u>	Total Warranty period as stated in Chapter 6
<u>Zone 2</u>	Multiply the warranty figures by 0.75
<u>Zone 3</u>	Multiply the warranty figures by 0.5

Zone 1

North Europe
West Europe
Central Europe
East Europe
Russia
North America (excl Arizona)

Zone 2

South Europe
Central & South America
Asia Pacific (excl Australia)

Zone 3

Middle East
Africa
Australia
Arizona
Mexico