



PERFORMANCE GUIDE

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Approved by J. S.

PRODUCT: **IMAGin® DecoSatin™**
DA012

PRODUCT DESCRIPTION:

DA012 DecoSatin is a member of our interior pressure sensitive product line. DecoSatin is a coated, white woven polyester textile for wall coverings, especially designed for inkjet printing. This textile is coated with a clear repositionable acrylic adhesive pressure sensitive which is protected with an 86# polycoated release liner that provides good stability and excellent feeding characteristics through ink jet printers.

<u>PHYSICAL PROPERTIES:</u>	<u>TYPICAL VALUES*</u>	<u>TEST METHOD</u>
Thickness, inches (µm)		ISO 534
Face plus adhesive	0.008 (203)	
Face without adhesive	0.007 (190)	
Peel Adhesion, ppiw (N/25mm)		FTM-1
180° on glass		
Applied - 24 hrs	1.1 (5)	
Quick Tacks, lb./in.² (N/25mm)		FTM-9
On glass	2.3 (10)	
Dimensional Stability (Shrinkage), inches (mm)		MACTac CTM-2148 hours @ (Method D)
158°F (70°C) bonded to aluminum		
MD	Max. 0.02 (0.5)	
CD	Max. 0.02 (0.5)	
Surface Burning Characteristics		ASTM E84-01 or ANSI/NFPA 255 or IBC Chapter 8 Section 803
Flame Spread	15	
Smoke Density	45	
This product meets: ANSI / NFPA - Class A and IBC - Class A specifications.		
Temperature Ranges,		
Application:	50°F to 104°F (+10°C to 40°C)	
End Use:	-5°F to 160°F (-20°C to 70°C)	

INTENDED FOR: Especially designed for wide format, eco-solvent, solvent-based, latex-based and UV-cured inkjet printing. To achieve the best possible print quality, please make sure that the correct ICC profiles or printer settings are used. Profiles can be obtained from our Distributors or can be downloaded from www.mactac.com. Printer and heater settings and ICC profiles can also be downloaded from some O.E.M. or software manufacturer's websites.

The ICC profiles are provided solely as a customer resource. Print environments, the individual nature of printing systems, inks and software can significantly affect output. It is the customer's responsibility to determine the suitability of any profile for use in their specific print environment.

Typical Uses:

Deco-Satin is intended for smooth interior wall coverings for professionals including but not limited to: hotels, reception areas, shops, conference centers, and waiting areas. Wide-format printing allows you to create custom designs and short runs.

DURABILITY: The indoor durability of the unprinted film is 5 to 7 years. Over lamination of this inkjet-printed material is not recommended. This product is not designed for outdoor use.

APPLICATION TO INTERIOR WALLS (Reference TA2500 for completed details):

Drywall is an extremely porous surface and sealing it up is difficult yet critical for graphic applications.

- 1) Some drywall surfaces can cause poor adhesion. These include:
 - a. Highly textured surfaces
 - b. Matte, high gloss and scrub-able paints
 - c. Highly pigmented paints (dark colors)
 - d. Newly painted surfaces
 - e. High humidity areas or moisture behind the drywall.
 - f. New drywall (anything less than one year old is considered new) has to do a lot of moving as the new building settles. New drywall will shrink an extreme amount resulting in lifting graphics. This is because it has fairly high moisture content from the manufacturing process.
- 2) If the wall has been freshly painted, allow it to fully cure, at least one week prior to installation. **Consult your paint manufacturer for proper cure times.**
- 3) MACTac recommends a test strip be included in the graphic for the end user to test on their walls. For best results insure the wall has a flat, smooth, even, dry surface. Avoid textured surfaces including textured paints, wallpapers, stucco, scrub-able paints, etc.
- 4) Make sure your graphic will fit in the area. Measure your wall and your graphic.
- 5) Use a clean alcohol saturated cloth to remove any dust from your wall surface. You may need a damp cloth or cleaners to remove excessive dirt and dust followed by the alcohol wipe. If so, allow an additional 24 hours to dry as many surfaces absorb moisture like a sponge!
- 6) Deco-Satin must be applied and cleaned following the proper application guidelines. Please reference the technical bulletin TA2106 Deco-Satin Application Guide, or These can be found on the MACTac website.
- 7) Never apply wet (no application fluids)! Always apply dry.

LIMITATIONS: Due to the wide variability of interior walls, sealants and paints, no claims for unsuccessful applications to or removal from painted wall surfaces are accepted by MACTac. It is the users' responsibility to determine the products suitability for the intended wall.

PRINTING and HANDLING RECOMMENDATIONS:

Always test your combination of inks and Deco-Art media prior to commercial use.

- 1) **Printing Conditions:** Print in conditioned pressroom at $\pm 73^{\circ}\text{F}$ (23°C) and 50% RH. The maximum allowable ink saturation is 270%
- 2) **Drying Requirements:** Solvent, Eco-solvent and Mild-solvent inkjet prints require 24 - 48 hr. drying time - open to the air. Inks do not dry when printed media is rolled up. DecoSatin is not designed for lamination.
- 3) **Transportation Conditions:** To allow for easy transportation, Deco Satin can be rolled up, with the image out, with a minimum diameter of 6 inches (15cm). When the image is not protected by an overlaminates, make sure the print is completely dry and protected in a plastic bag. During transportation or storage, avoid exposing them to extreme temperature and humidity changes.

SHELF LIFE:

2 years from date of manufacture when stored at $60/77^{\circ}\text{F}$ ($15/25^{\circ}\text{C}$) and 50% relative humidity in the original package.

** Values given are typical and are not necessarily for use in specification.*

CALL 1-800-401-5005 for additional product information

IMPORTANT NOTICE: The information given and the recommendations made herein are based on our research and are believed to be accurate, but no guarantee of their accuracy or completeness is made. In every case, user shall determine before using any product in full scale production, or in any way, whether such product is suitable for user's intended use for their particular purpose under their own operating conditions. User assumes all risk and liability whatsoever in connection with their use of any product. The products discussed herein are sold without any warranty as to merchantability or fitness for a particular purpose, or any other warranty, express or implied. No representative of ours has any authority to waive or change the foregoing provisions, and no statement or recommendation not contained herein shall have any force of effect unless in an agreement signed by the officers of seller and manufacturer. Nothing contained herein shall be construed to imply the nonexistence of any relevant patents or to constitute a permission, inducement or recommendation to practice any invention covered by any patent without authority from the owner of the patent. The following is made in lieu of all warranties, express or implied: Seller's and manufacturer's only obligation shall be to replace or credit such quantity of the product proved to be defective at its discretion.

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