

IMAGin M-Dot 4.7mil
54" x 164' Gloss Clear Window Print
Media w/ Dot Patterned Adhesive

Product Spec Sheet



Provided by

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Approved by J. S.

Product

IMAGin® M-Dot MD199

Product Description

MD199 is a 4.7-mil **gloss clear**, soft-calendared PVC film designed for Latex, UV and solvent-based ink jet printing. The product is coated on one side with a clear removable, semi-sphere structured dot, pressure sensitive adhesive and supplied with a 5 mil coated paper release liner.

M-Dot 199 is designed for short to moderate term indoor and outdoor advertising and promotions on flat, smooth surfaces. Examples include: windows, walls, trade shows, POP or POS advertising, discount campaigns.

Physical Properties

Property	Typical Values	Test Method
Film Thickness Total thickness	4.7 mil (120µm) 9.4 mil (240µm)	
Peel Adhesion Lb./in. (g/25mm) 180° on glass - 24 hr.	0.81 (375)	FTM - 1
Quick Tack, lb./in² (N/25mm) Stainless Steel	0.55 (250)	FTM - 9
Elongation @ break (%)	> 150	
Dimensional Stability, (%) 48 hours @ 158°F	max 1.0	FTM - 14 10" x 10" Sample Bonded to aluminum
Temperature Ranges Minimum Application: End Use:	40°F (+5°C) -4°F to 158°F (-20°C to 70°C)	

Approved Print Methods:

Screen Printing:		HP Indigo	<input type="checkbox"/>
UV Cured	<input type="checkbox"/>	Off-set	<input checked="" type="checkbox"/>
Solvent	<input type="checkbox"/>	Off-set UV	<input checked="" type="checkbox"/>
Digital: UV Inkjet	<input checked="" type="checkbox"/>	Thermal Transfer	<input type="checkbox"/>
Eco-solvent	<input checked="" type="checkbox"/>	Flexographic *	<input type="checkbox"/>
True solvent	<input checked="" type="checkbox"/>	Laser	<input type="checkbox"/>
Latex	<input checked="" type="checkbox"/>	Jetrion	<input type="checkbox"/>

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

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www.MyBinding.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.

Durability

The indoor durability of this film is 1 year. This product is designed for short term indoor applications only. For real short term applications, at your own risk, it can be used outdoors in locations well protected from water. Over-lamination of this inkjet-printed media is not recommended.

Shelf Life

1 year from D.O.M. when stored at 60/77°F (15/25°C) and 50% relative humidity in the original package

Limitations

- 1) The user is responsible for determining the product's suitability, including adhesion and if needed, removal characteristics when used in applications other than listed specifically in this Performance Guide.**
- 2) If there are any questions about applications, please contact your Mactac sales representative to discuss your requirements for recommendations.**
- 3) If this is a printed Performance Guide it is an uncontrolled document. Please check the Mactac website for the latest, most up-to-date version.**

Recommendations

Always test your combination of IMAGin products, inks and laminating films prior to commercial use.

- 1) Printing Conditions:** Print in conditioned pressroom at $\pm 73^{\circ}\text{F}$ (23°C) and 50% RH. Ink saturation should not exceed 270%.
NOTE: If printing on UV, please modify your print speed and curing settings for thin, soft media. Refer to your printer manufacturer's user guide for these settings.
- 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. The prints must be dry prior to lamination. Improperly dried prints will reduce adhesive performance and increase the risk of edge lifting and excessive shrinkage.
- 3) Laminating Conditions:** We do not recommend lamination for this product.
- 4) Transportation Conditions:** To allow for easy transportation, IMAGin series can be rolled up, with the image out, with a minimum diameter of 6 inches (15cm). When the image is not protected by an overlamine, 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.
- 5) Application:** follow the general pressure sensitive application methods.
Do not apply using the Wet application method.

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

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CALL 1-800-321-8834 for additional product information

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