MACdot 100 Series

Self-adhesive vinyl for eco-solvent, Latex and UV printing

➜ Construction

FACE MATERIAL	120 µm white matt (**MACdot 128**) or clear gloss (**MACdot 199**) Soft calendared PVC film
ADHESIVE	Clear Removable Emulsion
LINER	Coated Kraft liner 140 g/sqm

➜ Advantages

- The specially developed, semi sphere structured adhesive equipping the product ensures a very easy and fast application, even by unskilled people.
- The 120µm face thickness, combined with the special adhesive, are ensuring a very comfortable product handling.

➜ Surface type compatibility

The product is developed for flat, smooth surface applications.

➜ Applications

- **MACdot 100 Series** is ideal for creating personalized, short term, indoor applications like Trade Shows, Discount Campaigns, POP/POS advertising etc. The best results are obtained when applied on smooth glass surfaces.

- **MACdot 100 Series** is also compatible with applications onto alubond, a majority of door surface other smooth painted surfaces.

➜ Printing

This product is especially designed for eco-solvent, UV and Latex inkjet printing on wide-format printing equipment.
If printed on UV, please adapt your print speed and curing settings. Please refer to the printer manufacturer settings for thin, soft media.
To achieve the best possible print quality, please make sure that the correct ICC profiles and printer settings are used. Profiles can be obtained from our Subsidiaries, Distributors or can be downloaded from www.mactac.eu.
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.

Print room conditions: Print in conditioned pressroom at ± 23℃ (73°F) and 50% RH. The maximum allowable ink saturation is 270%.

Note: for the best results during application, it is very important that the print is totally dry. The solvent presence softens the film and makes it more stretchable. An improperly dried print will reduce the adhesive performance and increase the risk of edge lifting, excessive shrinkage, delamination and excessive adhesive transfer. We recommend placing the printed graphic into an additional drying unit for at least 24h (preferably at 30℃). If no additional drying unit is available, we recommend a longer drying time of 36 – 48h with the print laid out on a flat surface or hung to dry with enough space to allow good air flow over the surface of the film. Keeping the graphic tightly rolled up will not allow the solvents to evaporate.
Retained solvents in the print will affect edge adhesion. A print gradient lightening to the edge of the graphic or a white border around the graphic for solvent print posters are recommended.

➜ Lamination

MACdot 100 Series is not intended to be laminated. However, if you need a mechanical protection, it can be cold laminated.

➜ Application Method

MACdot 100 Series must be applied following the general self adhesive application guidelines that can be found on our website, www.mactac.eu, section Customer Support.

The wet method for application is not recommended.

Limitations: Due to the wide variability of substrates, sealants and paints, no claims for unsuccessful applications onto or removal are accepted by Mactac.
It is the users' responsibility to determine, by prior testing, the products suitability for the intended surface.

➜ Durability

MACdot 100 Series is intended for short-term, interior use only. For occasional use, on your own risk, it can be placed outdoor in locations protected of any water contact.

➜ Shelf Life

1 year when stored at 15 to 25℃ and ± 50 % relative humidity (in the original packaging).

➔ Physical Properties

	TYPICAL VALUES	TEST METHOD
Adhesive data, 23°C Quick Tack on Glass (N/25 mm) Peel 24h on Glass (N/25 mm)	1.5 0.5	FTM 9 FTM 1
Dimensional stability shrinkage: 48 hours at 70°C (applied on aluminum)	Max 1.0mm	FTM 14
Temperature ranges Minimum application temperature: Service temperature range	+ 10°C - 20°C to + 70°C	
Flammability	Self-extinguishing	Mactac Test Method

➔ Transport

To allow easy transportation, **MACdot 100 Series** can be rolled up, with the image on the outside, with a minimum diameter of 15 cm (for example on a 6 inches core). Make sure the print is completely dry and protected in a plastic bag. During transportation or storage, avoid exposing the print to extreme temperature and humidity changes.

➔ General Remark: factors affecting adhesion

To ensure application suitability - always test the proposed construction under actual application and end-use conditions before going into full production.

The removability of **MACdot 100 Series** may be affected by the following substrates: polystyrene, nitrocellulose painted surfaces and soft PVC. With such substrates an increase of adhesion over time may occur and adhesive residue on removal may be noticed.

The following factors can change the adhesion of the self-adhesive product

- Dust, dirt, grease, oxidation
- Low tension surfaces like polyethylene, polypropylene, etc.
- Application below the minimum application temperature or use outside of the recommended service temperature ranges must be avoided.

TECHNICAL SUPPORT

Mactac Europe
Tel: +32 (0)67-346 211
Fax: +32 (0)67-330 574
Email : MACtac.europe@mactac.com

Website: www.MACtac.eu