Technical Data Sheet

JT 8300 Dot Series

Monomeric calendered PVC film with dotted adhesive for short-term indoor advertising

➔ Construction

FACE MATERIAL	Soft calendered monomeric PVC film of 120 µm **JT 8300 WM-RT Dot** has a white matt finish, **JT 8300 CG-RT Dot** a clear gloss finish
ADHESIVE	Clear Removable Emulsion
LINER	Coated Kraft liner 140 g/sqm

➔ Advantages

• Easy and fast application and removability thanks to the dotted adhesive
• Good printability on all main platforms
• High transparency with minimum interference of dots
• Good adhesion power on glass and smooth surfaces
• No water and application tools needed

➔ Applications of JT 8300 Dot Series

- suited for short-term indoor application for communication and advertising campaigns, discounts, promotional activities, product launches, trade shows.
- compatible with glass and smooth flat surfaces.
- compatible with applications onto alubond, smooth door surfaces and smooth painted surfaces.

➔ Printing

This product is compatible with eco-solvent, UV and Latex inkjet printing on wide-format printing equipment.
If printed on UV, the print speed and curing settings should be adapted.
To achieve the best possible print quality the correct ICC profiles and printer settings should be used. Profiles can be obtained from our subsidiaries, distributors or can be downloaded from www.mactacgraphics.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.

Important note: JT 8300 Dot Series is not intended to be printed on Latex without the use of an ICC profile.

Print room conditions:
Print in conditioned pressroom at ± 23°C (73°F) and 50% Relative Humidity.

Note: For ultimate results during application, the printed film should be 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. The printed graphic should be placed into an additional drying unit for at least 24h (preferably at 30°C). If no additional drying unit is available, the printed graphics needs 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

JT 8300 Dot Series is not intended to be laminated.

➔ Application Method

JT 8300 Dot Series must be applied following the general self-adhesive application guidelines that can be found on our website, www.mactacgraphics.eu, section Customer Support.
Do not use the wet application method.

The product can be easily removed by peeling it off from an edge.
Possible residue of adhesive on the substrates after prolonged exposure of the product to UV and high temperatures. Removing the graphics at 5cm/sec leaves lower adhesive residues.
In case of adhesive residues, the substrates shall be cleaned with isopropyl alcohol.

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

The expected indoor durability of the unprinted product in Central Europe (Zone 1) **is up to 1 year**.

This information is based on successful real life experience and artificial aging according to ISO 4892-2.

➔ Shelf Life

1 year when stored at 15 to 25°C 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)	 3.8 2.5	 FTM 9 FTM 1
Dimensional stability shrinkage: 48 hours at 70°C (applied on aluminum)	Max 0.5mm	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, **JT 8300 Dot 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). The print should be completely dry and protected in a plastic bag. During transportation or storage, do not expose 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 **JT 8300 Dot 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.

IMPORTANT NOTICE

DISCLAIMER

All Mactac statements, technical information and recommendations are based on tests believed to be reliable but do not constitute a guarantee or warranty. All Mactac products are sold with the understanding that purchaser has independently determined the suitability of such products for its purposes. All Avery Dennison's products are sold subject to Avery Dennison's general terms and conditions of sale, see http://terms.europe.averydennison.com

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