CARL JENSEN A|S
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INKJET 100 DOT

INKJET 100 DOT is a self-adhesive film for Large Format Digital printing, especially designed for indoor application on flat and smooth surfaces. The monomeric vinyl is compatible with solvent, eco-solvent, latex, and UV inkjet inks. The 100µm film thickness grants good ink absorption without making the face film too soft. The removable Dot adhesive provides a super-easy and fast application and an easy removability from the substrates. The 135 g/m² liner ensures good planarity and printing results. All our products are REACH & RoHS compliant.

Typical use

- Short term Windows graphics, applied on the interior window side
- Short term indoor advertising on alu-bond, doors and smooth painted surfaces
- Temporary point of sale advertising with smooth surface.

Construction

- Face film: 100 µm calendered monomeric film
- Adhesive: removable clear water-based acrylic, coated in dots
- Release liner: clay coated kraft paper 135 g/m2

Products

- White Gloss finish: Code INKJET100DOT
- Clear Gloss: CodeINKJET100KLDOT
- White Matt: Code INKJET100MDOT
- Clear Matt: Code INKJET100KLMDOT

Converting method

Specially developed to be printed with solvent, eco-solvent, latex, and UV inkjet printing presses. To achieve the best possible print quality, make sure that the correct ICC profiles or printer settings are used. To prevent edge lifting and tunneling, we recommend leaving 5 mm unprinted on the graphic edge and reducing ink saturation. INKJET 100 DOT is not intended to be laminated.

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Application method

Only suitable for dry application method on clean and degreased substrates. Application temperature above 10°C. 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.

Technical data

Face thickness, without adhesive	100 µm	ISO 534-80
Face thickness, with adhesive	120 µm	ISO 534-80
Tensile strength (machine direction)	> 25 N/cm	ISO 527
Elongation at break (machine direction)	>150%	ISO 527
Fire resistance on aluminium	Self-extinguishing	ISO 3795:1989
Dimensional stability (1 week @70 °C on glass)	0,5 mm	FTM 14
Initial adhesion on glass (20 minutes)	1 N/25mm	FTM 1
Adhesion on glass (24 hours)	2 N/25mm	FTM 1
Final adhesion on glass (1 week)	3 N/25mm	FTM 1
Minimum application temperature	+10 °C	
Service temperature	From -40 °C to +90 °C	
One side siliconized clay coated paper liner	135 g/m^2	ISO 536

Expected durability

The expected vertical indoor durability in Central Europe (zone 1) is 1 years. This information is based on real file experience and artificial aging according to ISO 4892-2. Note: Exposure to severe temperature and ultra-violet light will cause a quicker deterioration. This applies also to polluted area, high altitude, horizontal applications, and south-facing exposure in north hemisphere

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Quality Certification

Shelf life

Shelf life is 1 years, when stored at 23 °C and 50 % relative humidity conditions. Higher temperatures and/or humidity levels will reduce product shelf life. NB: Printing results start to deteriorate after 12 months storage.

Disclaimer

All Carl Jensen´s products are subject to manufacturing controls in order to guarantee the good quality of the products. The statements, technical information, data, values and recommendations regarding Carl Jensen´s products are based on research and tests we believe to be reliable, but do not constitute a guarantee or warranty of whatsoever nature.
Considering the multiple uses of Carl Jensen´s products, the user is recommended to test the products prior to their use, so to determine and ascertain the suitability and performance of the product for its intended application and purpose.
The methods of conversion and application of Carl Jensen´s self-adhesive materials are multiple and it is therefore essential that the users are aware of the particular method to be used, prior to commencing the production.
Printing: Testing for compatibility between product, printers and inks is always highly recommended before printing the product.
Application Systems and Conditions: it is recommended that the performance of the product be always tested in the actual applications conditions as substrate state (rough, smooth, flat or irregular shapes, moderate curves, with or without rivets); applicator technology (hand application or fully automated lines); specific stress on Carl Jensen material once applied (high and/or low temperature, mechanical stress, exposure to challenging environment conditions), et cetera.
As Carl Jensen´s products are used in conditions beyond its control, such as those listed above as example, Carl Jensen does not assume any liability for inappropriate use of the products.
Carl Jensen reserves the right to modify at any time and without the need of a prior notice, at its sole and exclusive discretion, the products, their features and technical specifications.
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