



INKJET 100 REM

INKJET 100 series is a self-adhesive film for Large Format Digital printing, especially designed for short-term advertising on flat surfaces. The monomeric vinyl, UV stabilized, has an external color stability up to 3 years, specially developed to be printed with solvent, eco-solvent, latex, and UV inkjet printing presses. The 100- μ m film thickness grants good ink absorption without making the face film too soft, which allows easier application. The removable water-based adhesive provides an easy removability from most substrates. The adhesive is available in clear, grey and black version. The 135 g/m² liner or the 140g/m² micro-embossed PE coated kraft paper ensures good planarity and printing results. All our products are REACH & RoHS compliant

Typical use

- Short term outdoor advertising: trains, bus, billboards
- Short term indoor advertising: shops and malls, airport terminals, ...
- Temporary point of sale advertising

Construction

- Face film: 100 μ m calendered monomeric film
- Adhesive: removable water-based acrylic
- Release liner: clay coated kraft paper 135 g/m²
- Airflow liner: micro-embossed PE coated kraft paper 140 g/m²

Products

White Gloss: Code INKJET100

White Gloss with Airflow: code INKJET100AF

Clear Gloss: Code INKJET100KL

Clear Gloss with airflow: Code INKJET100KLAF

White Matt: Code INKJET100MAT

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. The printed media should dry minimum 24h prior to lamination. We recommend a lamination to protect the printed image from UV fading and mechanical abrasion.



Application method

Dry and wet application method on clean and degreased substrates for the product with kraft liner, while only the dry application method will be used with the Airflow liner. Application temperature above 10°C.

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)	>100%	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)	5 N/25mm	FTM 1
Adhesion on glass (24 hours)	6 N/25mm	FTM 1
Final adhesion on glass (1 week)	7 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
Airflow liner: micro-embossed PE coated kraft paper	140 g/m ²	

Expected durability

The expected vertical outdoor durability in Central Europe (zone 1) is 3 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.



Quality Certification



Shelf life

Shelf life is 2 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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