



## INK JET 100 FRI - 100% PVC FREE

A complete range of self-adhesive solutions for a total or partial decoration of any type of vehicle: private, commercial, fleet and emergency. Suitable also for wall decoration, for indoor and outdoor signs and fairs and events.

All our self-adhesive materials are suitable for the main large format digital printing techniques: solvent, eco-solvent, Latex and UV ink-jet to meet all market requirements.

### Applications

For advertising and promotional applications (window graphics, outdoor and indoor posters, billboards and signs). EU Phthalates Directive 2005/84/EC compliance.

### Face Material

Top coated gloss white polyolefin.

<b>Type</b>	Top coated polyolefin	
<b>Colour and Finish</b>	White	
<b>Weight</b>	93 g/m <sup>2</sup> ±10%	ISO-536
<b>Thickness</b>	95 µm ±10%	ISO 534-80
<b>Dimensional stability</b>	< 0.5 %	ASTM D1204
<b>Tensile Strength MD</b>	> 25 N/mm <sup>2</sup>	ASTM D882
<b>Tensile Strength CD</b>	> 30 N/mm <sup>2</sup>	ASTM D882
<b>Elongation at break MD</b>	> 110 %	ASTM D882
<b>Elongation at break CD</b>	> 100 %	ASTM D882
<b>Flammability</b>	SELF-EXTINGUISH	ISO 3795:1989
<b>Outdoor vertical exposure durability</b>	UP TO 3 YEARS	

### Adhesive

Acrylic permanent adhesive featuring high clarity and very high cohesion. Designed for a wide variety of substrates such as glass, ABS, PS, PVC. Unsuitable for apolar surfaces (like PE and PP). This adhesive complies with FDA 175.105.

<b>Type</b>	Acrylic permanent	
<b>Min. Appl. Temp.</b>	+10 °C	
<b>Service Temperature</b>	-30°C/+120°C	
<b>Shear</b>	High	FINAT FTM8
<b>Initial adhesion</b>	> 6 N/25mm	FINAT FTM1
<b>Final Adhesion</b>	> 10 N/25mm	FINAT FTM1



## Liner

<b>Type</b>	One side siliconised clay coated Kraft	
<b>Colour and Finish</b>	White	
<b>Weight</b>	135 g/m <sup>2</sup> ±10%	ISO-536
<b>Thickness</b>	132 µm ±10%	ISO 534-80
<b>Transparency</b>	n.a. %	DIN 53 147-64

## Printing Methods

INK JET 100 FRI Eco Digital gives excellent results with solvent, eco-solvent digital inks Latex and UV ink-jet

## Shelf life

24 months, applicable only to the material delivered by CARL JENSEN A/S which has not undergone further processing, under the storage conditions as defined by FINAT section 2.5:

- Ideal storage conditions are at a temperature of 20 -25 °C and 40 - 50 % HR.
- Store in a cool and dry place.
- Do not store close to a heat source or in direct sunlight.
- Keep the material in the original packaging until required for use.

Pay particular attention to the recommended shelf-life and ensure correct stock rotation.

## 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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