



INKJET75 OPTIMA

INKJET75 Optima is series of self-adhesive film for Large Format Digital printing, especially designed for medium to long term indoor and outdoor applications, on flat and slightly curved surfaces. The polymeric vinyl, UV stabilised, has an external colour stability up to 5 years, specially developed to be printed with solvent, eco-solvent, latex, and UV inkjet printing presses.

The permanent adhesive provides good adhesion on a wide range of substrates, available in clear or grey formulation for extra opacity. The 135 g/m² liner or the 140g/m² micro-embossed PE coated kraft paper ensures good planarity and printing results.

All INKJET75 Optima products are REACH & RoHS compliant.

Typical use

- Medium to long term outdoor advertising: trains, cars, bus, trucks, ...
- Medium to long term indoor advertising: shops and malls, airport terminals, ...
- Flat and curved substrates

Construction

- Face film: 75 µm calendered polymeric film
- Adhesive: permanent clear water-based acrylic permanent grey water-based acrylic
- Release liner: clay coated kraft paper 135 g/m² Airflow liner: micro-embossed PE coated kraft paper 140 g/m²

Products

INKJET75optima - White Gloss

INKJET75optima G - White gloss with grey adhesive

INKJET75optima KL - Clear transparent Gloss

INKJET75optima KLM – Clear transparent matt

INKJET75optima AFG - White gloss with airflow and grey adhesive

INKJET75optima AFK - White opaque with airflow and clear adhesive



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 suggest a lamination with INKJET75 Optima KL Clear Gloss or INKJET75 Optima KLM Clear Matt to protect the printed image from UV fading and mechanical abrasion.

Application method

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

Expected Durability

The expected vertical outdoor durability in Central Europe (zone 1) is 5 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.

Technical data

Face thickness, without adhesive	75 µm	ISO 534-80
Face thickness, with adhesive	95 µm	ISO 534-80
Tensile strength (machine direction)	> 16 N/cm	ISO 527
Elongation at break (machine direction)	>200%	ISO 527
Fire resistance on aluminium	Self-extinguishing	ISO 3795:1989
Dimensional stability (1 week @70 °C on glass)	0,2 mm	FTM14
Initial adhesion on glass (20 minutes)	10 N/25mm	FTM1
Adhesion on glass (24 hours)	13 N/25mm	FTM1
Final adhesion on glass (1 week)	15 N/25mm	FTM1
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, micro-embossed PE coated kraft paper	140 g/m ²	



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.

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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.

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