

Ri-Jet C50 Perm LT SB

PRODUCT DESCRIPTION / BENEFITS

Ri-Jet C50 Perm LT series is a self-adhesive film for Large Format Digital printing, used for fleet advertising and fleet wrapping.

The cast vinyl, UV stabilised, has an external colour stability up to 10 years, specially developed to be printed with solvent, eco-solvent, latex, and UV inkjet printing presses. Its superior conformability allows application on rivets, concave and convex area surfaces.

The combination of our permanent Low Tack solvent-based adhesive and the Airflow technology provide an easy film positioning and repositioning during the application and ensure entrapped air can easily be squeezed out without needed to puncture the film.

The 140g/m² micro-embossed PE coated kraft paper ensures good planarity and printing results. All products are REACH & RoHS compliant.

TYPICAL USE

- Vehicle graphics
- Fleet wrapping - partial wraps & total wraps

CONSTRUCTION

- **Face film:** 50 µm cast vinyl film
- **Adhesive:** permanent grey low tack solvent-based acrylic
- **Release liner:** Airflow liner: micro-embossed PE coated kraft paper 140 g/m²

Products:

White Gloss finish: code 07869 - **Ri-Jet C50 White Gloss Perm LT Grey SB Airflow**
07871 - **Ri-Jet C50 White Gloss Perm LT Grey SB PE**

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 Ri-Lam C30 Flexilam Clear Gloss or Clear Matt to protect the printed image from UV fading and mechanical abrasion.

APPLICATION METHOD / INSTRUCTIONS FOR USE

Only suitable for dry application method on clean and degreased substrates.

Application temperature above 15°C.

Films need to be heated at 45-50°C before conforming it to concave & convex areas to cover and need to be stabilised at 90°C where it has been elongated.

EXPECTED DURABILITY

The expected vertical outdoor durability in Central Europe (zone 1) is 10 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.

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.

Ri-Jet C50 Perm LT SB

**PHYSICO-CHEMICAL
PROPERTIES / TYPICAL
VALUES**

Face thickness, without adhesive	50 µm	ISO 534-80
Face thickness, with adhesive	75 µm	ISO 534-80
Tensile strength (machine direction)	> 10 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)	0,1 mm	FTM 14
Initial adhesion on glass (20 minutes)	8 N/25mm	FTM 1
Adhesion on glass (24 hours)	12 N/25mm	FTM 1
Final adhesion on glass (1 week)	14 N/25mm	FTM 1
Minimum application temperature	+15 °C	
Service temperature	From -40 °C to +90 °C	
micro-embossed PE coated kraft paper	140 g/m ²	ISO 536
Humidity resistance	No effect	200 hours exposure
Water resistance	No effect	24 hours immersion
Detergent (1% solution)	No effect	24 hours immersion
Isopropyl alcohol / Water (20/80)	No effect	10 minutes immersion

**QUALITY
CERTIFICATION****DISCLAIMER**

Information on physico-chemical characteristics and values in this document are based upon tests we believe to be reliable and do not constitute a warranty. They are intended only as a source of information and are given without guarantee and do not constitute a warranty. Purchasers should independently determine, prior to use, the suitability of this material to their specific use. All technical data are subject to change. All Fedrigoni products are sold subject to terms and conditions of sale. For more information, contact your Fedrigoni sales representative. In case of any ambiguities or differences between the English and foreign versions of this document, the English version shall be prevailing and leading.