FEDRIGONI

TECHNICAL DATA SHEET
ISSUE: 1
DATE: 16/10/2026

F-Print C50 Ultimate S&T

PRODUCT DESCRIPTION / BENEFITS

F-Print C50 Ultimate Slide &Tack is a self-adhesive film for Large Format Digital printing, used for fleet advertising and fleet wrapping.
The cast vinyl face, UV stabilised, has an external colour stability up to 12 years, specially developed for solvent, eco-solvent, latex, and UV inkjet printing. Its superior conformability allows application on 3D areas such as rivets, concave and convex surfaces.
F-Print C50 Ultimate S&T is the ultimate technology for car wrapping: the initial adhesion remains very low during the first minutes (even after squeegeeing) providing great positioning, slide ability and repositioning during the film installation. Fleet wrapping has never been so easy !
The 140g/m² micro-embossed PE coated kraft paper ensures good planarity and printing results.
Product REACH & RoHS compliant.

TYPICAL USE

- Vehicle graphics
- Fleet wrapping – partial & total wraps

CONSTRUCTION

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

Products:
White Gloss finish: Code 61115 - **F-Print C50 Ultimate White Gloss S&T**

CONVERTING METHOD

Designed for solvent, eco-solvent, latex, and UV inkjet printing. 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. With eco-solvent printing, extending the drying time to 3 days before lamination will greatly improve product repositionability.
We recommend laminating with F-Guard C30 series to protect the printed image from UV fading and mechanical abrasion.

APPLICATION METHOD / INSTRUCTIONS FOR USE

Only suitable for dry application on clean and degreased surfaces at temperature above 15°c, ideally at 20°c. The vinyl needs to be heated at 35-40°c before being conformed to 3D areas.
During application onto these 3D areas, considerable tension will be introduced in the material which is essential to release. This tension will be released by post-heating the material to 90°c. Without this stabilisation, the vinyl may pop-out of the recesses later.
Adhesion build-up curve is low under 15°c. In wintertime, the wrapped car needs to remain inside premises at 20°c for 24 hours. If the car needs to be released outside earlier, we recommend to first warm-up all film surfaces to 25-30°c before moving the car outside.

EXPECTED DURABILITY

The expected vertical outdoor durability in Central Europe (zone 1) is 12 years.
This information is based on real life 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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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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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
Adhesion on glass - 20 minutes - 24 hours - 1 week	6 N/25mm 12 N/25mm 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/m2	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
Sporadic contact with hydrocarbons	No effect	5 minutes immersion

QUALITY CERTIFICATION

QUALITY SYSTEM CERTIFICATION
DNV
ISO 9001

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.