FEDRIGONI

TECHNICAL DATA SHEET
ISSUE: 1
DATE: 28/04/2025

F-Print DecoWall C50 HT SB

PRODUCT DESCRIPTION / BENEFITS

F-Print DecoWall C50 HT SB series is a self-adhesive film for Large Format Digital printing, specially designed for medium-term wall advertising.
The cast vinyl face film, UV stabilised, has an external colour stability up to 10 years, developed for solvent, eco-solvent, latex, and UV inkjet printing inks.
The high-tack solvent-based adhesive provides good adhesion on walls. The 140 g/m² PE coated kraft paper or micro-embossed PE coated kraft paper ensures good planarity and printing results.
Product REACH & RoHS compliant.

TYPICAL USE

- Medium-term Wall Graphics
- Rough surfaces such as bricks, concrete, and textured walls
- Indoor and outdoor

CONSTRUCTION

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

Products:
White matt finish: code 14681 - **F-Print DecoWall C50 White matt HT Grey SB**

CONVERTING METHOD

Specially developed for solvent, eco-solvent, latex, and UV inkjet printing inks.
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 laminating with F-Guard C30 series to protect the printed image from UV fading and mechanical abrasion.

APPLICATION METHOD / INSTRUCTIONS FOR USE

Suitable for dry application method on clean and degreased walls.
Application temperature above 15°C.
For poster application, we recommend leaving 3-4 mm unprinted area on poster edge.
For big decoration, we recommend overlaps of 15mm between the stripes.

EXPECTED DURABILITY

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

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	80 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)	0,3 mm	FTM 14
Adhesion on glass - 20 minutes - 24 hours - 1 week	13 N/25mm 20 N/25mm 22 N/25mm	FTM 1
Minimum application temperature	+15 °C	
Service temperature	From -40 °C to +90 °C	
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

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.