

## F-Print H70 SB PE

**PRODUCT DESCRIPTION / BENEFITS** F-Print H70 SB PE series is a self-adhesive film for Large Format Digital printing, specially designed for medium-term indoor and outdoor applications, on flat and slightly curved surfaces.

The Hybrid vinyl face film, 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 inks. The permanent solvent-based adhesive provides good adhesion on a wide range of substrates, available in clear or grey formulation for extra opacity. The removable solvent-based offer a clear removability from most substrates. The 140 g/m<sup>2</sup> 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 outdoor advertising: trains, cars, bus, trucks, ...
- Medium term indoor advertising: shops and malls, airport terminals, ...
- Flat and slightly curved substrates.

**CONSTRUCTION**

- **Face film:** 70 µm calendered hybrid PVC film
- **Adhesive:** Permanent clear/grey solvent-based acrylic  
Removable grey solvent-based acrylic
- **Release liner:** PE coated kraft paper 140 g/m<sup>2</sup>  
Airflow liner: micro-embossed PE coated kraft paper 140 g/m<sup>2</sup>

**Products:**

White Gloss Perm: 60239 - **F-Print H70 White Gloss Perm SB PE**  
60241 - **F-Print H70 White Gloss Perm Grey SB PE**  
60243 - **F-Print H70 White Gloss Perm Grey SB Airflow**

Clear Gloss Perm: 60237 - **F-Print H70 Clear Gloss Perm SB PE**

White Gloss Rem: 60245 - **F-Print H70 White Gloss Rem Grey SB PE**

**CONVERTING METHOD** Specially developed to be printed with 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 H70 series to protect the printed image from UV fading and mechanical abrasion.

**APPLICATION METHOD / INSTRUCTIONS FOR USE** 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 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.

## F-Print H70 SB PE

**PHYSICO-CHEMICAL  
PROPERTIES / TYPICAL  
VALUES**

Face thickness, without adhesive	70 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)	> 150%	ISO 527	
Fire resistance on aluminium	Self-extinguishing	ISO 3795:1989	
Dimensional stability (1 week @70 °C on glass)	0,4 mm	FTM 14	
Permanent adh: adhesion on glass	- 20 minutes	13 N/25mm	FTM 1
	- 24 hours	16 N/25mm	
	- 1 week	18 N/25mm	
Removable adh: adhesion on glass	- 20 minutes	5 N/25mm	FTM 1
	- 24 hours	6 N/25mm	
	- 1 week	7 N/25mm	
Minimum application temperature	+10 °C		
Service temperature	From -40 °C to +90 °C		
PE coated kraft paper	140 g/m <sup>2</sup>	ISO 536	
Airflow, micro-embossed PE coated kraft paper	140 g/m <sup>2</sup>		
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****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.