

## F-Guard H70 SB

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**PRODUCT DESCRIPTION / BENEFITS** F-Guard H70 SB series is a self-adhesive film for digitally printed images lamination. The transparent hybrid calendered vinyl, UV stabilised, has an external colour stability up to 5 years. The permanent solvent-based adhesive adheres on F-Print H70 SB printed with solvent, eco-solvent, latex and UV inks. Product REACH & RoHS compliant.

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**TYPICAL USE**

- Specifically developed for advertisings made with F-Print H70 SB
- Medium-term outdoor and indoor lamination film
- Protect printed media from abrasion and retard colour fading
- Provide homogeneous gloss / matt finish

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**CONSTRUCTION**

- **Face film:** 70 µm transparent hybrid vinyl
- **Adhesive:** permanent transparent solvent-based acrylic
- **Release liner:** clay coated kraft paper 90 g/m<sup>2</sup>

**Products:**

Clear gloss finish: Code 60250 - **F-Guard H70 Clear Gloss Perm SB - UV Print**

Clear matt: 60252 - **F-Guard H70 Clear Matt Perm SB - UV Print**

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**CONVERTING METHOD** Compatible with solvent, eco-solvent, latex and UV inks. To be laminated with a laminator

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**APPLICATION METHOD / INSTRUCTIONS FOR USE** The printed media to laminate should dry minimum 24h prior to lamination. Laminate without tension on the printed media.

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**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.

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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.

## F-Guard H70 SB

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)	> 20 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)	0,5 mm	FTM 14	
	Adhesion on glass	- 20 minutes - 24 hours - 1 week	12 N/25mm 18 N/25mm 20 N/25mm	FTM 1
	Minimum application temperature	+10 °C		
	Service temperature	From -40 °C to +90 °C		
	Siliconized clay coated kraft paper	90 g/m <sup>2</sup>	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



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