

Ri-Screen P75 HT SB

PRODUCT DESCRIPTION / BENEFITS

Ri-Screen P75 HT SB series is a series of self-adhesive films for long-term marking on difficult substrates.

The premium polymeric vinyl, UV stabilised, has an external colour stability up to 5 years, compatible with conventional (solvent-based) and UV curable screen-printing inks and for solvent, eco-solvent, latex, and UV inkjet printing inks. The solvent-based High Tack adhesive provides a good adhesion on most substrates, including industrial painted surfaces and low surface energy substrates such as PE and PP. The clay coated kraft paper or the micro-embossed PE coated Kraft liner ensures good planarity and printing results.

All products are REACH & RoHS compliant.

TYPICAL USE

- Long term outdoor/indoor markings
- Containers, Yellow Goods (earth moving equipment), Caravans

CONSTRUCTION

- **Face film:** 75 µm calendered polymeric film
- **Adhesive:** high tack clear solvent-based acrylic
high tack grey solvent-based acrylic
- **Release liner:** clay coated kraft paper 135 g/m²
Airflow liner: micro-embossed PE coated kraft paper 140 g/m²

Products:

White Gloss finish: Code 12805 - **Ri-Screen P75 White Gloss HT Grey SB**
12496 - **Ri-Screen P75 White Gloss HT Grey SB Airflow N**

CONVERTING METHOD

Screen printing with solvent-based and UV-curable inks.

Inkjet printing with solvent, eco-solvent, latex, and UV-curable inkjet 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 a lamination with Ri-Lam P75 Clear Gloss or Matt to protect the printed image from UV fading and mechanical abrasion.

APPLICATION METHOD / INSTRUCTIONS FOR USE

Products with simple liner: dry and wet application method on clean and degreased substrates.

Products with Airflow liner: only dry 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 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 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	75 µm	ISO 534-80	
Face thickness, with adhesive	115 µm	ISO 534-80	
Tensile strength (machine direction)	> 15 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)	0.2 mm	FTM 14	
adhesion on glass	- 20 minutes - 24 hours - 1 week	10 N/25mm 12 N/25mm 14 N/25mm	FTM 1
adhesion on mirror stainless steel	- 20 minutes - 24 hours - 1 week	9 N/25mm 14 N/25mm 18 N/25mm	FTM 1
adhesion on PE	- 20 minutes - 24 hours - 1 week	4 N/25mm 4.5 N/25mm 5 N/25mm	FTM 1
Minimum application temperature	+10 °C		
Service temperature	From -40 °C to +90 °C		
PE coated kraft paper liner	140 g/m ²	ISO 536	
Airflow liner: micro-embossed PE coated kraft paper	140 g/m ²		
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**

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