

Ri-Screen Alu foil

TECHNICAL DATA SHEET

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PRODUCT DESCRIPTION / BENEFITS

Ri-Screen Alu foil series is a self-adhesive film, especially designed for Screen printing to realize durable labels.

The top coated Aluminium foil is printable with conventional (solvent-based) and UV curable screen-printing inks.

The permanent solvent-based adhesive develops a strong adhesion on most substrates.

The 140 g/m² PE coated kraft paper ensures a good flatness and a good printing result.

All products are REACH & RoHS compliant.

TYPICAL USE

- Durable labels for different industrial use where resistance to temperature is requested.

CONSTRUCTION

- **Face film:** 40 µm top coated aluminium foil
- **Adhesive:** permanent clear solvent-based acrylic
- **Release liner:** PE coated kraft paper 140 g/m²

Products:

Bright silver finish: Code 01317 - **Ri-Screen Alu foil 40 BS Perm N**

Dull silver: 01315 - **Ri-Screen Alu foil 40 DS Perm N**

CONVERTING METHOD

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

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 10 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.

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PHYSICO-CHEMICAL PROPERTIES / TYPICAL VALUES

Face thickness, without adhesive	40 µm	ISO 534-80
Face thickness, with adhesive	65 µm	ISO 534-80
Tensile strength (machine direction)	> 55 N/cm	ISO 527
Elongation at break (machine direction)	< 5%	ISO 527
Fire resistance on aluminium	Self-extinguishing	ISO 3795:1989
Dimensional stability (1 week @70 °C on glass)	No variation	FTM 14
Permanent adhesive - adhesion on glass (20 minutes)	12 N/25mm	FTM 1
- adhesion on glass (24 hours)	15 N/25mm	
- adhesion on glass (1 week)	17 N/25mm	
Minimum application temperature	+10 °C	
Service temperature	From -40 °C to +120 °C	
PE coated kraft paper	140 g/m ²	ISO 536

QUALITY CERTIFICATION



imasgrafica.com

Via Brisconno, 10 - Loc. Mendosio
20081 Abbiategrasso (MI) - Italia
Tel.: 02.94.96.96.72

Mail: ufficiovendite@imasgrafica.com
Sito: www.imasgrafica.com

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