

Ri-Lam C30 Ultimate

PRODUCT DESCRIPTION / BENEFITS

Ri-Lam C30 Ultimate series is a self-adhesive film for digitally printed images lamination used for fleet advertising and fleet wrapping.

The transparent cast vinyl face film, UV stabilised, has an external colour stability up to 6 years. Its superior flexibility allows application on rivets, concave and convex area surfaces.

The permanent solvent-based adhesive adheres on vinyl printed with solvent, eco-solvent and latex inks.

The 135 g/m² liner ensures good planarity.

All products are REACH & RoHS compliant.

TYPICAL USE

- Vehicle graphics, Fleet wrapping
- Long term outdoor and indoor lamination film for advertisings made with Ri-Jet C50 Ultimate
- Protect printed media from abrasion and retard colour fading
- Provide homogeneous gloss finish

CONSTRUCTION

- **Face film:** 30 µm transparent cast vinyl film
- **Adhesive:** permanent solvent-based acrylic
- **Release liner:** clay coated kraft paper 135 g/m²

Products:

Clear Gloss finish: code 13181 - **Ri-Lam C30 Ultimate Clear Gloss Perm SB - UV Print**

Clear Matt 13343 - **Ri-Lam C30 Ultimate Clear Matt Perm SB - UV Print**

CONVERTING METHOD

Compatible with solvent, eco-solvent and latex inks.

To be laminated with a laminator.

APPLICATION METHOD / INSTRUCTIONS FOR USE

The printed media to laminate should dry minimum 24h prior to lamination.

Laminate without tension on the printed media.

EXPECTED DURABILITY

The expected vertical outdoor durability in Central Europe (zone 1) is 6 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.

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	30 µm	ISO 534-80
Face thickness, with adhesive	55 µm	ISO 534-80
Tensile strength (machine direction)	> 10 N/cm	ISO 527
Elongation at break (machine direction)	>100%	ISO 527
Fire resistance on aluminium	Self-extinguishing	ISO 3795:1989
Dimensional stability (1 week @70 °C on glass)	0.2 mm	FTM 14
Initial adhesion on glass (20 minutes)	8 N/25mm	FTM 1
Adhesion on glass (24 hours)	12 N/25mm	FTM 1
Final adhesion on glass (1 week)	14 N/25mm	FTM 1
Minimum application temperature	+10 °C	
Service temperature	From -40 °C to +90 °C	
clay coated kraft paper	135 g/m²	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



DISCLAIMER

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