

## Ri-Lam C30 Ultimate Ultra-clear

**PRODUCT DESCRIPTION / BENEFITS** Ri-Lam C30 Ultimate Ultra-Clear series is a self-adhesive film for digitally printed images lamination used for ultra-clear windows graphics.

The Ultra-Clear cast vinyl face film, UV stabilised, has an external colour stability up to 6 years.

The ultra-clear permanent solvent-based adhesive is compatible with solvent, eco-solvent, latex and UV inks. The 36 µm PET liner ensures product ultra-clarity.

All products are REACH & RoHS compliant.

**TYPICAL USE**

- Ultra-Clear windows graphics
- Long term outdoor and indoor lamination film for advertisings made with ultra-Clear Ri-Jet C50 Ultimate and Ri-Jet PET75 Ultra-Clear printing media
- Protect printed media from abrasion and retard colour fading
- Provide homogeneous gloss finishes

**CONSTRUCTION**

- **Face film:** 30 µm ultra-clear cast vinyl film
- **Adhesive:** permanent solvent-based acrylic
- **Release liner:** 36µm clear PET liner

**Products:**

30 µm Ultra-Clear: code 13387 - **Ri-Lam C30 Ultimate Ultra-Clear Gloss Perm SB - UV Print N**

**CONVERTING METHOD** Compatible with solvent, eco-solvent, latex inks and UV print  
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 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.

**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.

## Ri-Lam C30 Ultimate Ultra-clear

### 50PHYSICO-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)	> 8 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)	0.1 mm	FTM 14
Initial adhesion on glass (20 minutes)	13 N/25mm	FTM 1
Adhesion on glass (24 hours)	16 N/25mm	FTM 1
Final adhesion on glass (1 week)	18 N/25mm	FTM 1
Minimum application temperature	+10 °C	
Service temperature	From -40 °C to +90 °C	
PET liner	36 µm	ISO 534-80
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.