

## Provisional Technical Data Sheet

# LF 3399

### PRODUCT DESCRIPTION

**FACE:** An ultra clear gloss, soft 30 $\mu$  cast PVC.  
**ADHESIVE:** Ultra clear, acrylic based permanent, pressure sensitive.  
**LINER:** The product is protected with a white paper liner, easy to remove.

### TYPICAL USES

**LF 3399** is designed for the over-laminating and protecting of large and medium size digital images printed on super soft, flexible media.

**LF 3399** laminated onto JT 5529 P, conformable white PVC, can be used for the decoration of flat, curved, riveted or corrugated surfaces. ( Cut around deep corrugations is always recommended ) It is therefore designed for the total coverage of fleet decoration (cars, trucks, caravans...). Suitable for internal and external applications, **LF 3399** helps retard colour fade caused by ultraviolet (U.V.) light exposure.

### PHYSICAL PROPERTIES

#### AVERAGE VALUES

#### TEST METHOD

#### ADHESIVE DATA, 23°C

Quick Tack on stainless steel		10 N/25mm	FTM 9
Peel 180° - 24 h on stainless steel		+/-12 N/25mm	FTM 1
Dimensional stability ,48 h. at 70°C on Aluminium		< 0,1 %	FTM 14
<b>RELEASE LINER</b>	90 g/m <sup>2</sup> clay coated white paper	90 g/m <sup>2</sup>	ISO 536
<b>THICKNESS</b>	Film + adhesive	55 $\mu$	ISO534

### TEMPERATURE RANGES

**Application**  on flat or curved surfaces + 10° C to +45°C  
 on riveted or corrugated surfaces + 50°C (with hot air gun)  
**End-use** - 30° C to + 100°C  
 N.B. : for temperatures outside those quoted above, please consult us.

### CHEMICAL RESISTANCE

Resistant to short periods of immersion in water and short contact with detergents, alcohol and some aliphatic solvents.

Not recommended for contact with ketones, esters, aromatic solvents and chlorinated hydrocarbons.

## SHELF LIFE

2 years when stored at 15/25° C and 50 % relative humidity.

## DURABILITY

**LF 3399** will give satisfactory performance for up to 5 years.

The durability does not relate to the colours of the prints but only to the film.

**Note** These end-use-life estimates are based upon accelerated ageing studies and outdoor exposure, under conditions experienced in vertical exposure and in "normal" temperate climates. Exposure to severe humidity and ultra-violet light, as well as conditions in southern European countries, and also in tropical, sub-tropical or desert regions, will cause a more rapid deterioration. This also applies to polluted areas, high altitude and south facing exposure.

## RECOMMENDATIONS

- Where exposure to chemicals, solvents or high pressure water hoses is envisaged, it is recommended to seal the edges of the prints with varnish or silicone in order to avoid penetration of these liquids.
- Where possible, always test the proposed construction under actual application and end-use conditions because a 100% multi-purpose adhesive for all substrates does not exist.
- In order to reach the best result, it is recommended to apply **IMAGin LF3399** (onto the image) with the help of a professional laminator with a top cylinder temperature of about 50°C. Please regulate the speed and the pressure in order to avoid the film deterioration.
- When laminating digital prints, please ensure the print is perfectly dry before.
- **JT 5529 P** laminated with **LF3399** can be rolled up to allow easy transport . The roll should have a diameter above 7 cm and the image should be facing outwards.

**LF 3399 is not recommended for the lamination of one way vision perforated vinyl**

## IMPORTANT NOTICE

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