

Technical Data Sheet

LF 3699

IMAGin : Self-adhesive products especially designed for full-colour short-run digital printing.

PRODUCT DESCRIPTION

FACE MATERIAL : An ultra clear gloss, soft 50 µ cast PVC.

ADHESIVE : Ultra clear, acrylic based permanent, pressure-sensitive.

LINER : The product is protected with a clear PET liner, easy to remove.

TYPICAL USES

LF 3699 is designed for the overlaminating and protecting of large and medium size digital images printed on super soft, flexible media.

LF 3699 laminated onto JT 5529 P, conformable white PVC, can be used for the decoration of flat, curved, riveted or corrugated surfaces. It is therefore designed for the total coverage of fleet decoration (cars, trucks, caravans...). Suitable for internal and external applications, LF 3699 helps retard colour fading caused by U.V. light exposure.

PHYSICAL PROPERTIES

	<u>Average values</u>	<u>Test method</u>
<u>Adhesive Data, 23°C</u>		
Quick Tack on stainless steel	13 N/25 mm	FTM 9
Peel 180° - 24 hours on stainless steel	14 N/25 mm	FTM 1
<u>Dimensional stability</u>		
% shrinkage : 48 hours at 70°C (applied on aluminium)	< 0.1 %	FTM 14
<u>Release liner</u>		
Transparent polyester 36 µ	50 gr/sqm	I SO 536
<u>Thickness</u>		
Film + adhesive	75 µ	I SO 534

TEMPERATURE RANGES

Application	<input checked="" type="checkbox"/> on flat or curved surfaces	+ 10°C to + 45°C
	<input checked="" type="checkbox"/> on riveted or corrugated surfaces	+ 50°C (with hair dryer)
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 use in contact with ketones, esters, aromatic solvents and chlorinated hydrocarbons.

SHELF LIFE

2 years when stored at 15 to 25°C and ± 50 % relative humidity (in the original packaging).

DURABILITY

LF 3699 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 on accelerated ageing studies and outdoor exposure, under conditions experienced in vertical exposure and in « normal » temperate climates. Exposure to severe humidity and ultraviolet light, as 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 LF 3699** (onto the image) with the help of a professional with a top cylinder temperature of about 50°C. Please regulate the speed and the pressure in order to avoid the film deterioration.
- When laminated onto digital prints, please ensure the print is perfectly dry before overlaminating.
- **LF 3699** laminated onto **JT 5529 P** can be rolled up to allow easy transport. The roll should have a diameter above 7 cm and the image should be facing outwards.
Application is made easier if a MACtransfer Application Tape is used.
To ensure an easier transfer, always remove the liner and not the Application Tape.
- **IMAGin LF 3699** is also recommended for the lamination of the **JT 5915 P**, perforated vinyl for window graphics, one way advertising.

IMPORTANT NOTICE

All MACtac products are subject to careful quality control throughout the manufacturing process and are warranted to be of merchantable quality and free from manufacturing defects.

Published information concerning MACtac products is based upon research which the Company believes to be reliable although such information does not constitute a warranty.

Because of the variety of uses of MACtac products and the continuing development of new applications, the purchaser should carefully consider the suitability and performance of the product for each intended use, and the purchaser shall assume all risks regarding such use. The seller shall not be liable for damages in excess of the purchase price of the product nor for incidental or consequential damages.

All specifications are subject to change without prior notice.