

Technical Data Sheet

LF3894

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

PRODUCT DESCRIPTION

LF3894 is a semi-matt soft 80 μ PVC coated on one side with a clear acrylic pressure sensitive adhesive. The adhesive is protected with a white paper liner.

TYPICAL USES

IMAGin Laminating Film - **LF3894** is designed for overlaminating and protecting large and medium size digital prints, especially water based inkjet prints but is not recommended for oil based inkjet prints, suitable for interior and exterior environments, **LF3894** helps retard colour fade caused by ultraviolet (U.V.) light exposure. **LF3894** provides a uniform, semi-matt finish to the prints as well as protection against potential damages. **LF3894** does not influence the pH level of substrate to which it is applied.

PHYSICAL PROPERTIES

ADHESIVE	AVERAGE VALUES	TEST METHOD
Quick tack (N/25mm) on glass	15 +/- 2	FTM9
Peel 180 ° - 20 min (N/25mm) on glass	18 +/- 1	FTM1
Peel 180° - 24h (N/25mm) on glass	20 +/- 1	FTM 1
Shears (hours) 1 kg - 25mm x 25mm	>1000	FTM8
Dimensional Stability % shrinkage 48h at 70° C sample mounted on aluminium	<0.5	FTM14

For temperatures outside those quoted above, please consult with MACTac.

FLAMMABILITY

Self extinguishing sample mounted on aluminium

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 and chlorinated hydrocarbons.

For further technical advice on chemical resistance, please consult with MACtac.

SHELF LIFE

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

DURABILITY

LF3894 will give excellent performance for up to 2 years outdoor and 3 years indoor. The durability does not relate to the colours of the prints but only to the film.

Note : This estimated life time is based upon accelerated ageing studies and, 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. Application by wet method is not recommended. For correct adhesion, prints have to be applied on cleaned, not oxidized substrates, free of dust and wax.

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.

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.