

Technical Data Sheet

LAG 100

IMAGin

The IMAGin products is a series of self-adhesives especially designed for overlaminating and protecting large and medium size digital prints.

PRODUCT DESCRIPTION

- LAG 100 is a soft 60 µm polymer with a satin finish, coated on one side with a high tack clear acrylic pressure sensitive adhesive. The adhesive is protected by a white, easy to remove paper liner.
- Being highly conformable and resistant to the main staining agents and graffiti paints, LAG 100 is the ideal laminate to protect images printed on WW100 against vandalism.

LAG 100

- protect prints against graffiti
- retards colour fade caused by ultraviolet (U.V.) light exposure
- does not influence the pH level of the substrate to which it is applied
- eases the surface cleaning
- is compatible with substrates printed with WB, SB, eco-solvent and UV inks.

PHYSICAL PROPERTIES

	<u>Typical value</u>	<u>Test Method</u>
<u>Adhesive data, 23°C</u>		
Quick Tack on glass (N/25 mm)	15	FTM 9
Peel 180° on glass (N/25 mm)		
- after 20 minutes	12	FTM 1
- after 24 hours	14	FTM 1
Dimensional stability, % shrinkage, 48h at 70°C on aluminium	>= 0.1	FTM 14 Sample mounted on aluminium
<u>Release liner</u>		
White clay coated kraft paper liner (g/m ²)	135	ISO 536
<u>Thickness</u>		
Film + adhesive (µm)	90	ISO 534 (ASTM D 645)

HEAT RESISTANCE

Application temperature range : + 5°C to + 40°C

End-use temperature range : - 30°C to + 60°C

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

CHEMICAL RESISTANCE

Resistant to water and detergents.

Also resistant to most diluted acids and alkalis.

Not affected by short contact with most of aliphatic hydrocarbons and alcohol.

Not recommended for use in contact with aromatic and chlorinated hydrocarbons.

For further technical advice, please consult with MACtac.

SHELF LIFE

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

DURABILITY

LAG 100 will give satisfactory performance up to 3-5 years of outdoor exposure.

The durability does not relate to the image protected but only to the laminating film.

Indoor exposure will increase the durability values of the laminating 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 , horizontal and /or south-facing exposure.*

RECOMMENDATIONS

- 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 LAG 100 (onto the image) with the help of a professional laminator with a top cylinder temperature about 25°C.
- When laminating digital prints, please ensure the print is perfectly dry before.
- **WW100** laminated with **LAG 100** can be rolled up to allow easy transport. The roll should have a diameter above 7 cm and the image should be facing outwards.

CLEANING PROCEDURE

Always remove the graffiti as soon as possible from the LAG 100 to ensure the best cleaning result. A biodegradable liquid cleaner can be used for the standard tags and stains. Apply the tag remover on the graffiti with a brush or a piece of cloth. Let it stand for a several minutes before :

-first cleaning with a piece of cloth and

-then rinsing using a pressurized water gun (Kärcher). The rotative brush of the pressurized water gun should not be used to clean the visual.

Start again this procedure if some tag is left or if several layers of colours have been sprayed. In the case of metallic colours (eg silver, gold) –which represent the most difficult stains, a special cleaning gel should be used. Please contact us for more information.

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.