



Technical Data Sheet

NoTag 90 series

IMAGin

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

PRODUCT DESCRIPTION

- NoTag 90 series is a series of soft 60µm polymer 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 conformable and resistant to the main staining agents and graffiti paints, NoTag 90 series is the ideal laminate to protect images on flat to slightly curved surfaces against vandalism.

No Tag 90 series is available in different finishes:

- NoTag 99 S : glossy structured finish
- NoTag 99 : glossy finish
- NoTag 98 S : matt sand structured finish
- NoTag 94 : satin finish

NoTag 90 series

- protects prints against graffiti
- reduces colour fade of printed images 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
- has a high tack adhesive compatible with substrates printed with SB, WB, eco-solvent and UV inks.

In addition, NoTag can be used to protect printed banners from graffiti. Seen the variation in banners composition, we however currently only recommend the use of NoTag 99 on Frontlit ref. 64 71 0295 from Textec.

	<u>Typical value</u>	<u>Test Method</u>
<u>PHYSICAL PROPERTIES</u>		
<u>Adhesive data, 23 °C</u>	15	FTM 9
Quick Tack on glass (N/25 mm)		
Peel 180° on glass (N/25 mm)	12	FTM 1
- after 20 minutes	14	FTM 1
- after 24 hours		
	<= 0.1	FTM 14
Dimentional stability, % shrinkage, 48h at 70 °C on aluminium		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 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 MACtac.

SHELF LIFE

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

EXPECTED DURABILITY

The expected vertical outdoor durability of the unprocessed product in Central Europe (Zone 1) is up to 3 years. This information is based on successful real life experience and artificial aging according to ISO4892-3.

Indoor exposure will increase the durability values of the laminating film (up to 10y).

Note : *Exposure to severe temperatures, ultra-violet light as well as conditions in Southern European countries, tropical, sub-tropical or desert regions will cause more rapid deterioration. This also applies to polluted areas, high altitude and south facing exposure. No durability warranty is given for horizontal exposure. For more information, please refer to Technical Bulletin 7.5: "Outdoor Durability of combined MACtac print media and laminates".*

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 the NoTag laminating film on 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 dried. Special care should be taken in the case of ecosolvent or SB inks and UV inks (min 48h drying period) to avoid tension issues linked to the post curing of UV inks. In addition, the laminated images should be left for at least 24h prior to any complex installation work.
- Print media of the JT5000 range laminated with NoTag film can be rolled up to allow easy transport. The roll should have a diameter above 7cm and the image should be facing outwards.
- During application onto rough or uneven surfaces, special care should be taken to the stabilisation step to avoid lifting of the complex.

CLEANING PROCEDURE

Always remove the graffiti as soon as possible from the NoTag film to ensure the best cleaning result. We recommend to use our biodegradable graffiti remover TagAway for removing all sorts of stains and graffiti - even the metallic colours.

First remove dust from the surface. Then apply TagAway on the graffiti with a paint brush. Let it stand for several minutes (~2-3 min) before :

- first cleaning with a soft brush and
- then rinsing using a pressurized water gun (Kärcher). The rotative brush of the pressurized water gun should not be used to clean the surface.

Leave the TagAway remover gel longer or start again this procedure if some graffiti is left or if several layers of colours have been sprayed. For more information on our biodegradable graffiti remover, please consult related TDS.

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.