

Self-adhesive Digital Imaging Media for wide-format solvent-based & UV inkjet Printing

JT 5129 PM

3 year monomeric calendered vinyl

PRODUCT DESCRIPTION

FACE MATERIAL : 95 μ White gloss soft calendered PVC film.
 ADHESIVE : Repositionable permanent clear acrylic.
 LINER : White PE coated Kraft liner 130 gsm backprinted MACTac/IMAGin.

TYPICAL USES

Short to medium term fleet marking and car wrapping **on flat or convex surfaces.**

Product benefits : easy to apply and to reposition during the application of the printed decal on flat and convex surfaces. Easy removal by heating the vinyl film with a heat gun after the application period (maximum 2 years).

PRINTING

Especially designed for solvent based inkjet printing on wide-format printing equipment.
 Product is also suitable for printers using 'eco-solvent' or 'mild solvent' inks.

To achieve the best possible print quality, please make sure that the correct ICC profiles or printer settings are used.
 Profiles can be obtained from our Subsidiaries, Distributors or can be downloaded from www.mactac-europe.com.
 Printer & Heater settings and ICC profiles are also downloadable from some of the OEM's web sites.

PHYSICAL PROPERTIES OF THE UNPRINTED FILM

	<u>Average values</u>	<u>Test method</u>
Adhesive Data, 23°C Quick Tack on glass Peel 24 hours on glass	28 \pm 3 N / 25mm 27 \pm 3 N / 25mm	FTM 9 FTM 1
Dimensional stability % shrinkage : 48 hours at 70°C (applied on aluminium)	max 0.5 %	FTM 14
Flammability	Self-extinguishing applied on Alu panels	
Temperature ranges Minimum application temperature : Service temperature range :	+ 10°C - 20°C to + 70°C	

SHELF LIFE

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

DURABILITY

The outdoor durability of the unprinted film is 3 years.
 Overlamination of the inkjet printed material delays eventual colour fading that may occur upon time. This colour fading is dependent from the quality of the inkjet inks and the self-adhesive materials being used.

RECOMMENDATIONS

Always test the combination of JT 5000 products, inks and laminating films prior to commercial use.

□ Printing conditions

A conditioned pressroom, $\pm 23^{\circ}\text{C}$ and 50 % R.H.

□ Laminating conditions

- Please ensure the print is perfectly dry. The printed material should be left to dry for at least 48 hours prior to lamination or transport. Additional hot air drying or IR drying will speed up the drying process and shorten the overall drying time.

If the printed graphics is likely to be exposed to corrosive liquids, smoke, fumes, highly polluted areas or if there is a likelihood of scratching or friction or to ensure longer durability, it is strongly recommended to laminate the prints with pressure-sensitive protective film IMAGin LF 3899.

□ Transportation conditions

To allow easy transportation, IMAGin JT series can be rolled up, with the image on the outside, with a minimum diameter of 15 cm (for example on a 6 inches core).

When the image is not protected with a laminating film, make sure that the print is perfectly dry before rolling it over.

To avoid exposing the print to any liquid aggressions, prints should be protected by a plastic bag. During the transport or storage of the prints, avoid exposing them to extreme temperature and humidity variations.

REMOVAL OF THE VINYL FILM AFTER USE

This product exhibits very high adhesion values to the substrate upon ageing and therefore special care has to be taken not to damage car paints or varnish upon removal of the printed vinyl. Please follow the correct procedure :

1° Heat the vinyl to a temperature of $70\text{-}80^{\circ}\text{C}$ using a hot air blower (air temperature of $\pm 300^{\circ}\text{C}$).

2° Peel off JT 5129PM in small pieces, don't try to remove in one piece just by pulling the film or using excessive tension.

3° Eventually use chemical products for easier vinyl removal as readily available in shops.

Follow the manufacturer's instructions carefully.

4° Any residue of adhesive can be removed by rubbing with a towel soaked in isopropyl alcohol, denatured petrol or a shop-bought "adhesive remover".

GENERAL REMARK : factors affecting adhesion

To ensure application suitability - always test the proposed construction under actual application and end-use conditions before going into full production.

The following factors will adversely affect adhesion of a pressure-sensitive adhesive:

- * Dusty, dirty, oily or oxidized surfaces
- * Mould release agents on blow-moulded plastic surfaces
- * Low surface energy substrates, such as: polyethylene, polypropylene...
- * Application below the minimum application temperature or use outside of the recommended service temperature ranges.

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.