IMAGin by MACtac

MACtac

Technical Data Sheet

JT 1950 P

Self-Adhesive Matt Translucent Top Coated PVC

PRODUCT DESCRIPTION

FACE : A white matt translucent top coated vinyl film of 90 µ. Its top coating has unique ink-receptive characteristics offering excellent printing and light fastness properties.

ADHESIVE : An acrylic solvent based permanent adhesive with low tack and high cohesion characteristics.

LINER : A 100 g/m2 white kraft paper with 'MACtac' backprinted in blue protects the self-adhesive product.

TYPICAL USES

JT 1950 P is designed for the production of self-adhesive digital images printed on water based printers (thermal or piezo head) with dye or pigmented inks. It is suitable for indoor and outdoor light box applications, on stretched plasticized banners (PVC coated textile) and rigid boards (glass, acrylic...) and can be processed on cutter-plotters, thus providing a wide scope of creative designs.

PHYSICAL PROPERTIES

	Average values	Test method
Adhesive Data, 23°C		
Peel adhesion 180° on glass (N/25 mm)		FTM 1 (ASTM D 903-49)
- after 20 minutes	22	
- after 24 hours	24	
Dimensional stability		
% shrinkage (48 hours at 60°C)	< 0.5	FTM 4 15 cm x 15 cm (mounted on aluminium)
Flammability	self-extinguishing	mounted on aluminium
Temperature ranges		
- Application :	+ 5°C to + 40°C	
- End-use :	- 20°C to + 60°C	

N.B : for temperatures outside those quoted above, please consult with MACtac.

SHELF LIFE

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

DURABILITY

The durability of the **JT 1950 P** is mainly based upon the life expectancy of the water based inks used (please refer to the inks' manufacturer for technical advice). When printed with water based pigmented, UV and water resistant inks and processed as indicated in our « Technical Bulletin 7.3 – Working with the JT 1800 / JT 1900 series », external application of the **JT 1950 P** is for a maximum period of 3 years and requires overlamination and edge sealing.

RECOMMENDATIONS

- Always test the combination of JT 1900 products, inkjet printers, inks and laminating films prior to commercial use. For details, please refer to our « Technical Bulletin 7.3 – Working with the JT 1800 / JT 1900 series ».

➢ **Printing conditions**

JT 1000 media should be handled with care as any surface contamination may affect the printing quality. It is recommended to work in a print room environment with a temperature of + 23°C and a R.H. of 50 % and to condition the media in the printing room 24 hours before printing. **JT 1950 P** can be printed on most water based inkjet systems (thermal or piezo head) but it is recommended to calibrate the ink deposit of the printer in order to reach the optimal results. Some ICC profiles are available on our web site. Others may be available through your local MACtac distributor.

➢ **Laminating conditions**

Please ensure that the printed **JT 1950 P** is perfectly dry before laminating. If the printed graphics is likely to be exposed to water, high humidity, corrosive liquids, smoke, fumes, highly polluted areas or if there is a likelihood of scratching or friction or to ensure longer durability, it is mandatory to laminate the prints with pressure-sensitive protective films from the PERMAGARD or IMAGin LF 3000 series and edge seal it according to the recommendations detailed in our « Technical Bulletin 7.4 – Overlaminating and Edge Sealing Recommendations ». If applied onto a banner, it is recommended to use LF 3899 (for applications of up to 1 year) or LF 3999 (for applications of up to 3 years) as laminating film.

➢ **Transportation conditions**

To allow easy transportation, **JT 1950 P** can be rolled up, with the image on the outside, with a minimum diameter of 10 to 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 up. To avoid exposing the print to water or any other aggressive liquids, it should be protected by a plastic bag. During the transport or storage of the prints, avoid exposing them to extreme temperature and humidity variations.

➢ **Compatibility with substrates**

The use of lacquered banners is recommended in order to reduce risks of plasticizer migration into the **JT 1950 P** adhesive. In any case, the compatibility between the banner substrate and **JT 1950 P** must be tested before production run. Before applying **JT 1950 P**, the cleaning of the banner material with alcohol is recommended in order to remove migratory agents from the banner surface. **JT 1950 P** has a weak adhesion on polyester fabrics and polyolefin non woven.

For more details on MACtac products please consult our website at www.mactac-europe.com

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 informa*tion does not constitute a warranty.*
*B*ecause 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 s*eller shall not be liable for damages in excess of the purchase price of the product* no*r for incidental or consequential damages.*
All specifications are subject to change without prior notice.