Technical Data Sheet

JT 1858 R

IMAGin

The IMAGin JT1000 are a series of self-adhesive printing mediae especially designed for water based printing inks. These mediae allow the production of high resolution large and medium size digital prints with both pigmented and dye inks.

PRODUCT DESCRIPTION

JT 1858 R

- is a premium white matt topcoated vinyl of 80 µm with unique ink-receptive characteristics which offers excellent printing and light fastness properties.
- is coated on one side with a clear removable adhesive that allow easy removal from most substrates without leaving adhesive residue, for a period of up to 2 years after application (see important notice overleaf). This adhesive is protected with an easy to remove, (green) MACtac printed liner.
- is suitable for internal and external applications on flat or slightly curved surfaces. In the outdoor applications, lamination is recommended with LF3800 or PG7200 series
- can be processed on cutter-plotters, providing therefore a wide scope of creative designs.

PHYSICAL PROPERTIES

	Typical values	Test method
Adhesive data, 23°C		
Quick Tack on glass (N/25 mm)	5	FTM 9
Peel 180° on glass (N/25 mm)		
- after 20 minutes	2	FTM 1
- after 24 hours	4	FTM 1
Dimentional stability, 48h at 70°C on aluminium	<0.5%	FTM 14
Flammability	Self-extinguishing	Sample mounted on aluminium
Release liner		
White kraft paper liner (g/m^2)	120	ISO 534
Thickness		
Film + adhesive (µm)	100	ISO 534 (ASTM D 645)

HEAT RESISTANCE

Application temperature range 0°C to + 40°C
End-use temperature range : - 30°C to + 100°C

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

CHEMICAL RESISTANCE (unprinted material)

Resistant to short periods of immersion in water and short contact with detergents, alcohol and some aliphatic solvents. Not recommended for contact with glycerol, isobutyl acetate, mineral spirits, aromatic and chlorinated hydrocarbons.
Avoid direct contact with unbleached paper, phosphite phenols and smoke (some yellowing could appear).

For further technical advice, please consult with MACtac.

Important notice :
Some substrates can influende the adhesive performance of the JT 1858 R : acrylic glass, polycarbonate; polystyrene, nitrocellulose paints, plasticized PVC.Also, subsequent removal could be difficult. For standard application (onto glass, metallic surfaces,…) the vinyl can be removed without leaving adhesive residue for a period of up to 2 years.

SHELF LIFE

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

DURABILITY

The durability of **JT 1858 R** is dependant on the life expectancy of the water based pigmented inks used (please refer to 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 - 1900 series", external application of the JT 1858 R is for a maximum period of 3 years and requires overlamination and edge sealing. Edge sealing is not mandatory for outdoor exposure less than 6 months.

Please contact MACtac for further compatibility and ink advice.

RECOMMENDATIONS

Always test the combination of **JT 1858 R**, inkjet printers, inks and laminating films prior to commercial use. For more details, please refer to MACtac « Technical Bulletin 7.1 – Working with JT 1028 P ».

- **Printing conditions**

JT 1858 R 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 1858 R 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 1858 R** 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 PG7200 or IMAGin LF3800 series and edge seal it according to the recommendations detailed in our **«**Technical Bulletin 7.4 – Overlaminating and Edge Sealing Recommendations».

- **Transportation conditions**

To allow easy transportation, **IMAGin JT 1858 R** 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, 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.

For more details on MACtac products, please consult our website : 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 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.