

## JT 5917 PUV

## Technical Data Sheet

See-Thru film for static applications and mobile advertising on glass surfaces.

### PRODUCT DESCRIPTION

White PVC face film, black reverse coating with approximately 40 % of material perforated to achieve one way visibility.

FACE MATERIAL : Perforated 180 μ soft white vinyl film.

ADHESIVE : Semi-Permanent clear acrylic.

LINER : White siliconized base paper 105 gsm, punched and laminated with a 30g OPP film on the backside

### JT 5917 PUV construction

1 White PVC film	1		1
2 Black coating	2		2
3 Adhesive	3		3
4 Paper liner	4		4
5 OPP film layer			

1+2+3+4 = Perforated part

Perforation size : 1.6mm hole diameter.

**Important remark:** the backing of JT 5817 PUV (part 4+5 of the above diagram) is fragile because of the punching. Therefore care must be taken to avoid paper tear when removing the backing upon application of the printed film.

### TYPICAL USES

#### External applications

Window graphics onto flat glass surfaces showing advertising on one side and allowing for « see through » view on the other side. JT 5917 PUV can also be used in conjunction with opaque marking films for vehicle and public transport advertising. Application is not guaranteed when heaters on rear windscreens are in operation (as this may cause JT 5917 PUV to lift).

The use of the rear wipers is also not recommended (as the wiping effect on the print or the overlamine may cause the JT 5917 PUV or the overlamine to become hazy and lose its « see through » characteristics).

To make full use of the advertising opportunity, it is recommended that the inside lighting of the vehicle is less brighter than the external lighting. This is more applicable at night when outside illumination is weak.

JT 5917 PUV can be used to reduce heat and glare from the sun inside vehicles and glass buildings.

#### Internal applications

Thanks to one way visibility, JT 5917 PUV can be used for surveillance purposes in shops, department stores, stocks, etc...

### PRINTING

Designed for solvent based, eco-solvent, mild solvent, Latex and UV inkjet printing on most wide-format printing equipment.

JT 5917 PUV is also screen printable.

### SHELF LIFE

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

## EXPECTED DURABILITY

The expected vertical outdoor durability of the unprocessed product in Central Europe (Zone 1) is up to 2 years. This information is based on successful real life experience and artificial aging according to ISO 4892-2.

Note : 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, the orientation of the printed material, the angle of display and the exact location of exposure on the Globe.

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".

## PHYSICAL PROPERTIES OF THE UNPRINTED FILM

	<u>Average values</u>	<u>Test method</u>
<u>Adhesive Data, 23°C</u> Quick Tack on glass Peel 24 hours on glass	5,5 ± 3,0 N/25 mm 3.0 ± 2,0 N/25 mm	FTM 9 FTM 1
<u>Dimensional stability</u> shrinkage : 48 hours at 70°C (applied on aluminium)	max 0.2 mm	FTM 14
<u>Temperature ranges</u> Minimum application temperature : Service temperature range :	+ 10°C - 15°C to + 60°C	

## RECOMMENDATIONS

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

### ↓ 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.

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 a pressure-sensitive optical clear protective film IMAGin LUV 3697 (highly conformable).

[For vehicle graphics it is recommended to use a 1cm overlap of the lamination film versus the JT5917PUV film or to seal off all sides of the window graphics with a clear silicone to avoid water infiltration.](#)

MACtac denies responsibility for product failure if non-MACtac laminating films are used for the application.

### ↓ 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.

### ↓ Application

The « dry » method is recommended. The « wet » application method is not recommended due to the fact that the moisture will become trapped between the perforations and the overlamine therefore affecting the « see through » visibility.

Some adverse reactions can occur when applying JT 5917 PUV to certain substrates, such as acrylics, polycarbonate, polystyrene, plasticized PVC or certain paints. These reactions could have a negative effect on the adhesion performance.

**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.*