



## Technical Data Sheet

# PERMAFLEX 6400

### PERMACOLOR

The PERMACOLOR system is a series of pressure-sensitive products used for mounting and protecting in the imaging industry. Pressure-sensitive PERMACOLOR provides fast, efficient processing through roll lamination techniques without the need for heat or drying.

### PRODUCT DESCRIPTION

#### **PERMAFLEX Series**

is a family of thick films that are coated with acrylic pressure-sensitive adhesive on one side. These unique films are mainly laminated to digital prints used as floor graphics to protect them from abrasion due to pedestrian traffic.

#### **PERMAFLEX 6400**

- is a 125  $\mu$  clear matt PP film with a textured lustre finish that eliminates some glare and provides a very pleasing finish.
- does not influence the pH level of the substrate to which it is applied.
- is recommended as an overlamine for indoor applications.
- is approved by « ASTM Friction Test » for slip resistance.

### PHYSICAL PROPERTIES

	<u>Typical values</u>	<u>Test method</u>
<b><u>Adhesive</u></b>		
Quick Tack on glass (N/25 mm)	17	FTM 9
Peel 180° on glass (N/25 mm)		
- after 20 minutes	18	FTM 1
- after 24 hours	14	FTM 1
Shear on glass (hours) 1 kg - 25 mm x 25 mm	>1000	FTM 8
Gloss (85° angle)	10	ASTM D-523
Dimensional stability		
-MD	<0.1 %	FTM 14
-CD	<0.1 %	
<b><u>Thickness</u></b>		
Film + adhesive ( $\mu$ )	160	ISO 534 (ASTM D645)

## **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 with MACtac.*

## **SHELF LIFE**

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

## **DURABILITY**

**PF 6400** will give satisfactory performance up to 1 month when used in the production of floor graphics. The durability does not relate to the image protected but only to the laminating film.

## **RECOMMENDATIONS**

Care should be taken to protect the sides of the laminate with silicone in order to avoid water infiltration (in case of cleaning for example).

Due to the increasing number of new printing methods appearing on the market, it is important for the Converter to satisfy himself about the suitability of PERMAFLEX 6400 for the application to the printed image.

### Storage

MACtac recommends that rolls be stored on end or suspended from the core.

### Transport

- allow the maximum amount of time after lamination, preferably overnight, before rolling for transport,
- roll the largest diameter possible, no less than 30 cm diameter,
- roll with the PERMAFLEX to the outside.

### Trimming

- allow at least one hour after lamination, 24 hours optimal,
- support PERMAFLEX 6400 fully from below.

### **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.*