



## Technical Data Sheet

# PG 7490 series :

## PG 7494 – PG 7498 – PG 7499

### PERMACOLOR

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

### PRODUCT DESCRIPTION

#### **PG 7490 series of laminates**

- are ecofriendly laminate based on 80 µm polypropylene film coated on one side with a clear emulsion acrylic adhesive. The adhesive is protected by a white paper release liner that provides complete visual inspection of the product, easy liner removal and a distortion-free adhesive surface.
- provide different finishes to the prints as well as protection against potential damages:
  - PG 7494 : satin finish
  - PG 7498 : matt finish
  - PG 7499 : glossy finish
- are designed for the overlamination and protection of photographic images and digital prints
- are suitable for indoor and short term outdoor applications.
- does not influence the pH level of substrate to which it is applied.

### PHYSICAL PROPERTIES

	<u>Typical values</u>	<u>Test method</u>
<b><u>Adhesive</u></b>		
Quick Tack on glass (N/25 mm)	10	FTM 9
Peel 180° on glass (N/25 mm)		
- after 20 minutes	8	FTM 1 (ASTM D 903-49)
- after 24 hours	12	FTM 1 (ASTM D 903-49)
Dimensional Stability (% shrinkage ; 48h at 70°C, sample mounted on aluminium)	<0.5	FTM 114
<b><u>Release liner</u></b>		
White coated kraft liner (gr/sqm)	100	ISO 536
<b><u>Thickness</u></b>		
Film + adhesive (µ)	105	ISO 534 (ASTM D 645)

## **HEAT RESISTANCE**

Application temperature range : + 5°C to + 40°C  
End-use temperature range : - 30°C to + 80°C

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

## **CHEMICAL RESISTANCE**

Resistant to water and detergents.  
Also resistant to most diluted acids and alkalis.  
Not affected by short contact with most of aliphatic hydrocarbons and alcohol.  
Not recommended for use in contact with aromatic and chlorinated hydrocarbons.

*For further technical advice, please consult with MACtac.*

## **SHELF LIFE**

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

## **DURABILITY**

**PG 7490 series** will give satisfactory performance up to 2 years for **outdoor** exposure.  
The durability does not relate to the image protected but only to the laminating film.  
**Indoor** exposure will increase the durability values of the laminating films.

**Note** : *These end-use life estimates are based on accelerated ageing studies and **outdoor** exposure, under conditions experienced in vertical exposure and in "normal" temperate climates. Exposure to severe humidity and ultraviolet light, as in southern European countries, and also in tropical, sub-tropical or desert regions, will cause a more rapid deterioration. This also applies to polluted areas, high altitude, horizontal and south-facing exposure.*

## **RECOMMENDATION**

Special care should be taken when applying PG7498 (matt) on the surface as is soft touch structure could be marked with a too hard squeegee.  
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 the PERMAGARD film for the application to the printed image.

### **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.*