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Approved by J. S.

**Product**

PermaPrint® IP5000

**Permacolor®**

The **Permacolor** system is a series of pressure sensitive products for mounting and overlaminating in the imaging industries. Pressure sensitive **Permacolor** provides fast, efficient processing through cold roll lamination techniques without the need for heat, drying or messy coating operations.

**Product Description**

The **PermaPrint® mounting films** consist of acrylic mounting adhesives with and without film carriers. These smooth, adhesive constructions permit distortion-free mounting of photographic prints and other graphic images to a wide variety of substrates including Fome-Cor®, Gatorfoam®, Crescent® board, Masonite® and Sintra®.

**IP5000** consists of a thin, opaque plastic film coated on both sides with an acrylic pressure sensitive adhesive. A moisture stable, polycoated kraft liner protects the adhesive.

**IP5000** was designed for quick adhesion to a variety of mounting surfaces and can be used in both indoor and outdoor applications. The single release liner permits easy lamination and eliminates the need to remove a second liner in applications where that may be difficult or impossible.

**Physical Properties**

Property	Typical Values	Test Method
<b>Thickness mils (mm)</b> Adhesive Carrier and Adhesive	1/1 (0.028/0.028) 4.5 (0.114)	ASTM D-645
<b>Peel Adhesion, lb. /in. (N/25mm)</b> Stainless Steel - 30 min. - 24 hr.	3.5 (19) 4.0 (22)	PSTC - 3
<b>Quick Tack, lb. /in<sup>2</sup> (N/25mm)</b> Stainless Steel	4.4 (17.5)	MACtac CTM-25
<b>Shear, Hours to Fail</b> Stainless Steel	150	PSTC - 7
<b>Temperature Ranges</b> Application for best results: End Use:	50° to 120°F (10° - 49°C) -20° to 200°F (-30° to 93°C)	
<b>Adhesive pH</b>	Neutral	TAPPI-529

## Shelf Life

Two years when stored at 75°F (24°C) and 50% relative humidity or less. Note: Mactac recommends that rolls be stored on end or suspended from the core.

## Limitations

- 1) The user is responsible for determining the product's suitability, including adhesion and if needed, removal characteristics when used in applications other than listed specifically in this Performance Guide.
- 2) If there are any questions about applications, please contact your Mactac sales representative to discuss your requirements for recommendations.
- 3) If this is a printed Performance Guide it is an uncontrolled document. Please check the Mactac website for the latest, most up-to-date version.

## General Comments

1. Where exposure to chemicals, solvents or high pressure wash is anticipated, Mactac recommends sealing the edges with varnish, silicone or other sealant to prevent penetration by these liquids.
  2. Prints should not be applied onto dusty, dirty, oily or oxidized surfaces.
  3. The mounting board must be properly prepared prior to mounting the image. This may include wiping with alcohol, light sanding or surface sealing depending on the board. Contact your board supplier for their recommendation.
  4. Mactac's pressure sensitive mounting films are intended for "Cold Roll Lamination" (50°F - 120°F). The addition of heat while simultaneous mounting with Thermal Overlaminates may result in curl or have other detrimental effects on the finished product.
  5. Whenever possible, always test first to ensure end-use capability.
- *Values given are typical and are not necessarily for use in specification.*

- ® Permacolor is a registered trademark of Morgan Adhesives Company LLC
- ® Fome-Cor is a registered trademark of Monsanto Company.
- ® Gatorfoam is a registered trademark of Alcan, Inc.
- ® Crescent is a registered trademark of the Crescent Cardboard Company.
- ® Masonite is a registered trademark of Masonite Corp.
- ® Sintra is a registered trademark of Alcan Metal, Inc.

**CALL 1-800-321-8834 for additional product information**

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