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 Approved by J. S.

Product

PGD6000 Series Gloss
 Dry Erase Laminate

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 **overlaminating films** is a family of pressure sensitive adhesive coated, clear overlaminating films that are available in a variety of surface finishes. These films are designed for use over digitally produced images by solvent inkjet, eco-solvent inkjet, UV inkjet and water-based inkjet (pigmented and dye), electrostatic and thermal transfer resin ribbons to impart protection from abrasion, moisture, and other potentially damaging effects in both indoor and outdoor environment.

PGD6000 is an economical, gloss clear 1-mil **polyester** film top-coated on one side for perfect dry-erase capabilities and on the other with a permanent clear acrylic pressure sensitive adhesive, recommended for indoor and outdoor use. The adhesive is protected by a 78# white Kraft release liner that provides for easy liner removal and a smooth adhesive surface.

Physical Properties

Property	Typical Values	Test Method
Thickness, inches (µm)		ASTM-D645
Film plus adhesive	0.0020 (51)	
Total product	0.0032 (81)	
Quick Tack lb./in. (N/25 mm)		Mactac CTM-25
Stainless Steel	1.5 (6.7)	
Peel Adhesion lb./in. (N/25 mm)		PSTC – 1
Stainless Steel		
- 15 min	1.9 (8.2)	
- 24 hrs.	2.5 (11)	
Temperature Range		
Application for best results:	Above 40°F (5°C)	
End Use:	-40° to 180°F (-40° to 82°C)	

Durability

This product has up to one (1) year outdoor use. While all Permacolor overlaminating films have UV resistance built in to help extend the life of your image, the durability of the image is mainly dependent

upon the quality of the inks (see technical data sheets given by the ink manufacturers) and pressure sensitive media being used.

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**

Recommendations

1. Where exposure to moisture, 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. Overlaminates should not be applied onto dusty or dirty prints.
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" (40°F - 104°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.

Recommendations for Dry Erase Markers

EXPO Low Odor	Universal 43651	Bic Low Odor
SRX Board Dudes	Marks-A-Lot (Avery)	EXPO 2
Wipe-Off	Quartet-Enduraglide	Liquid Mark low odor 2400
TUL OMO4112	EXPO Vis-à- Vis Wet Erase	EXPO Washable
Office Max	Crayola Dry Erase Crayon	Staples Remark

Please note: All markers worked very well for the first 48 hours. However, just like you see on dry-erase white boards the longer the marker is on the film, the harder it is to wipe them off. Over time some ghosting, especially with the specific colors like red, is to be expected. This can be cleaned with dry erase board cleaner. Do not use detergents or spray cleaners like Fantastic® or Windex® to clean dry-erase surfaces.

Highlighted markers still wiped off easily after 3 weeks. High solvent markers like the original EXPO needed the help of the EXPO Dry-Erase board cleaner to remove after one week.

Not all dry-erase pens are equal; therefore, the user is responsible for testing specific dry erase markers, which may or may not be on this list, for suitability.

- *Values given are typical for unprocessed product and are not for use as specifications. Processing may change the values.*

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