

## APPLICATIONS GUIDE

### JPX-PROX

#### Matte Polypropylene Banner



MAGIC® PPM7 is an economical 9 mil polypropylene durable banner material that resists water and UV damage. PPM7 produces high quality images on a matte finish. The matte surface minimizes glare from indoor lighting. The product is designed for use with aqueous, solvent, and eco-solvent, latex and UV cure print systems.

PPM7 and can be used for both indoor and short term outdoor applications. PPM7 is also available with a pressure-sensitive adhesive (PPM7 PSA) for aqueous printer systems.

#### PHYSICAL PROPERTIES

Basis Weight:	165.7 g/m <sup>2</sup>	Optimum Print RH:	20-60%	Tensile Strength MD/CD):	50 / 65 lbs/in
Caliper:	9 mil (229.5 micron)	Optimum Print Temp.:	70°F (21°C)	Elongation (MD/CD):	150 / 90%
% Opacity:	97%	Flame Spread:	Class B	Recommended Shelf Life:	1 yr
White/Bright:	102 / 101	Minimum Exp. Temp:	10° F	Outdoor life expectancy*:	1 months
Gloss (60°):	2			Indoor Life Expectancy*	6 months

\*Base on mfg's accelerated testing w/ pigmented ink. Results may vary.

#### APPLICATIONS GUIDELINES

**Printer & Ink Compatibility:** PPM-7 may be printed with aqueous, solvent, eco solvent, latex and UV cure print systems such as HP, Epson, Canon, Mimaki, Roland, Nur, Vutek, Mutoh and Nur. Although dye-based inks provide a higher color gamut, ink fade can occur. Using pigmented inks for longer lasting images.

**Printer Settings:** To optimize print quality, printers should be set for the highest print quality. The maximum ink saturation level for aqueous inks is 250%. Use media selection "Heavy Weight Coated Paper" for the most printers. "Super" and "bi-directional" are the printers settings for waterbased piezo wide format printers. Dry-time will vary depending on ink type and the ink saturation level used. For solvent / eco-solvent, the max ink saturation is 350%. Suggested heat settings: preheat 42° C, and 37° C post heat. ICC profiles may be obtained from our website at [www.magickinkjet.com](http://www.magickinkjet.com).

**Water Resistance & Surface Protection:** Pigmented inks provide the best long-term UV fade and water resistance. Dye-based inks have a moderate level of water resistance. Over-saturation can affect the waterfast properties. Use a vinyl PSA to protect the surface from dirt and abrasion. Note: Laminating one side can result in curl toward the laminated side.

#### FINISHING RECOMMENDATIONS

**Tape and Stitched Hem:** Using high-tack banner tape is preferred to sewing, as sewing can scratch the coating. If sewing, it is recommended that the un laminated banners be stitched hem side up so that the sewing machine foot comes in contact with only the backside of the banner. For maximum reinforcement, a double stitched hem with a double lock stitch with a maximum of five stitches per inch and corner reinforcements are recommended.

**Grommeting:** Grommets should be placed in the hemline so that the grommet is through two layers. Corner grommets should be placed through the four overlapping layers. A reinforced corner is also recommended to increase durability.

#### RECYCLING AND DISPOSAL



Disposal by recycling of ink jet media is the preferred method. Where recycle markets do not exist, disposal by landfill or an approved incinerator is acceptable. See Magic Recycle Bulletin @ [www.magicinkjet.com](http://www.magicinkjet.com)



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