

# APPLICATIONS GUIDE

## JPX-POS16

### Block-out Film

#### For Aqueous Pigmented & Solvent Systems



MAGIC® POS PRO+ 400 is a 16.5 mil printable, anti curl, block-out film that is specifically designed for universal printing. POS PRO+ 400 is a cost effective solution for high quality trade show graphics. POS PRO+ 400 offers high image quality and durability and is coated with a universal coating that is compatible with aqueous pigment, solvent, latex & UV cure printing systems.

#### PHYSICAL PROPERTIES

Caliper . . . . .	16.5 mil (420micron)	Whiteness .....	112
Basis Weight . . . .	422g/m <sup>2</sup>	Brightness .....	100
60° Gloss .....	2.5	% Opacity.....	100

The back side of PosPro+ is compatible with 3M™ 467 adhesive tape.

#### APPLICATIONS GUIDELINES

**Imaging:** The print needs to be front imaged and viewed from the image side. The print side is the matte side and it is wound to the outside of the roll. Trade show graphics is the primary product application.

**Printer & Ink Compatibility:** POS PRO+ 400 is a universal product that is compatible with aqueous, solvent, eco solvent, latex and UV cure printing systems. It can be used on Hewlett-Packard DesignJet®, Epson Stylus Pro series, Canon iPF series, and most piezo & thermal water-based pigment printers. POS PRO+ 400 is compatible with Raster Graphics PiezoPrint 5000 inks as well as Roland, Mimaki, Mutoh, Vutek, Nur, Seiko, Scitex, HP Latex & UV cure printers. When using aqueous inks, it is recommended to use pigment inks. Although dye-based inks provide a higher color gamut, ink fade can occur. For more printer compatibility, refer to the Magic Printer Compatibility Chart under technical Support on the web site.

**Printer Settings:** To optimize print quality, printers should be set for the highest print quality. The maximum ink saturation level for NovaJet and ColorSpan prints is 250%. To minimize bleed, the recommended maximum ink saturation level is 250% on the HP DesignJet series printers. The media selection is “Heavy Weight Coated Paper” for the HP DesignJet Series printers. “Super” and “bi-directional” are the printer settings for water-based piezo wide format printers. Dry-time will vary depending on ink type and the ink saturation level used. To optimize print quality on the solvent ink jet printers, 720dpi bi-directional will offer the best results. 540 x 360 also offers good output. Optimized printer settings will vary from printer manufacturer. 25°C to 35°C is a good starting point for both pre and post heaters. If available, use dryer or fix to dry image quickly. It is recommended to turn off the automatic cutter within the printer system. Some printer blades may not be able to trim this media.

#### FINISHING RECOMMENDATIONS

**Laminating:** Prints should be completely dried before laminating. It is recommended to wait 24 hours before laminating to allow for adequate dry time. Five mil (5 mil) or less cold pressure-sensitive over-laminates are recommended.



**Mediatech**