

# MAGIC<sup>®</sup> PRODUCT APPLICATIONS GUIDE

## TB9UV

InteliCoat



Digital Imaging  
Substrates

### TYVEK<sup>®</sup> INDOOR/OUTDOOR INK JET BANNER

MAGIC<sup>®</sup> TB9UV is a 9 mil polyolefin banner grade of TYVEK<sup>®</sup> that resists water and UV damage. This product is tear resistant, which makes it perfect for long-term indoor or outdoor banner applications. TB9UV is designed for UV cure printing systems using flexible ink sets.

#### PHYSICAL PROPERTIES

Basis Weight.....130g/m <sup>2</sup>	Gloss (60°).....xx	Tensile Strength (MD/CD):.....8670/9590 psi
Caliper.....9 mil ( 230 microns)	Optimum Print RH:.....30-60%	Ultimate Elongation (MD/CD):.....21/26%
Opacity.....96%	Optimum Print Temp:.....70 °F (21 °C)	Initial Tear Resistance(MD&CD).....1080/840 lb/in
Whiteness.....114	Flame Spread	Outdoor Life Expectancy* .....3 months
Brightness.....101	Classification:.....Class A**	Indoor Life Expectancy* .....6 months

\*Based on manufacturer's accelerated age testing. Results may vary based on usage.

\*\*Based on ASTM E84 test method

#### APPLICATIONS GUIDELINES

**Outdoor and Indoor Banners:** This product is recommended for indoor and outdoor banner applications.

**Printer & Ink Compatibility:** TB9UV is designed to offer exceptional print performance on UV cure printing systems using flexible ink sets.

**Water Resistance & Surface Protection:** TB9UV is considered water resistant. The product surface can be damaged from excessive folding or creasing, so overlaminating is recommended for protection.

**Material Handling & Storage:** Once the print is completed, roll imaged media onto a core until ready for use. Folding of the material is not recommended. After use, the material should be stored in its original packaging in the poly bag at 59-86 °F / 15-30 ° C and 30-70% RH.

#### FINISHING RECOMMENDATIONS

**Tape & Stitched Hem:** Standard high-tack banner tape can be used and is preferred to sewing, as the sewing process can scratch the film surface. Follow the guidelines of the tape manufacturer. If sewing, it is recommended that the unlaminated 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 along the length of the banner so that the grommet is through two layers. Corner grommets should be placed where the length and width hems cross, so that the grommet is through four layers. A reinforced corner is also recommended to increase durability.

**Laminating:** A vinyl pressure-sensitive overlaminate or an acrylic liquid overcoat may be used. However, overlaminating one side may cause the product to curl toward the laminated side.

#### 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 the Magic Technical Bulletin @ [www.magicinkjet.com](http://www.magicinkjet.com)

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For more information, call 1-413-539-5731,  
or visit our website: [www.magicinkjet.com](http://www.magicinkjet.com)

\*Most updated version of this guide can be obtained on our website.

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