

PRODUCT APPLICATIONS GUIDE

magiclée

DMiBOP10 / Mural-Pro™

REINFORCED WET STRENGTH FOR WALLCOVERING, BANNERS, POSTERS

InteliCoat



Digital Imaging
Substrates

DMiBOP10 / Mural-Pro™ is a latex-based ink jet media designed wallcovering for residential, hospitality, commercial, and retail design, as well as for indoor promotional banners. DMiBOP10 /Mural-Pro is an economical alternative to adhesive vinyl for in-store environmental graphics. The universal coating provides a wide range of printer compatibility across aqueous, solvent, eco solvent, latex & UV cure ink jet systems. DMiBOP10/ Mural-Pro meets the ASTM 793 standards for commercial wallcovering and is ideal for interior design, art reproduction, and restoration applications. Mural-Pro is rated class A in fire testing, ASTM E84.

PHYSICAL PROPERTIES

Basis Weight:	228 g/m ² (6.7 oz/yd ²)	Optimum Print RH:	20-60%	Tensile Strength (MD/CD):	52/33 lbs/in
Caliper:	11.3 mils (283 microns)	Optimum Print Temp.:	70 °F (21 °C)	Elongation (MD/CD):	30/60 %
% Opacity:	97%	Flame Spread		Tear Strength (MD/CD):	115/110
Whiteness:	104	Classification:	Class A**	Wet Expansion:	3%
Brightness:	97			Indoor Life Expectancy*	1 year+

**Based on ASTM E84 test method

*Based on manufacturer's accelerated age testing. Lamination will increase life expectancies. Results may vary based on usage.

APPLICATIONS GUIDELINES

Application: This product is designed for banners, murals, custom decor, maps, and posters.

Printer & Ink Compatibility: DMiBOP/Mural-Pro can be printed with Hewlett-Packard DesignJet®, Epson Stylus, and Canon iPF, and water-based piezo systems equipped with pigment inks. DMiBOP/Mural-Pro may be used in most solvent, eco solvent, HP Latex & UV Cure print systems.

Printing Guidelines: To optimize print quality, printers should be set for highest print quality. Printer settings for the HP DesignJet® series is Heavy Coated Paper. Select paper or banner-type print setting on water-based piezo. Optimized printer settings will vary from printer manufacture. For solvent printing, start with 60 °C for pre heat and 50 °C for post heat. Check the magicinkjet.com website for available ICC color profiles. Due to the heavy gauge of the material, this product can feed through the printers at different rates causing print size to vary slightly from print to print. Images sized in a software application may be printed slightly smaller than anticipated.

Water Resistance & Surface Protection: To obtain a high degree of water resistance, use aqueous pigment or solvent inks. Lamination is recommended, as dirt and stains can not be cleaned from the ink jet surface. Excessive folding or creasing of the media may cause damage. Ink coverage of up to 250% is recommended, because higher ink saturation can affect the waterfast properties and show ink bleed in heavy saturation areas. To avoid perforating the laminate, use banner tape to put a hem on banners. Let the image dry up to 24 hrs before exposing to moisture.

WALLCOVERING INSTALLATION GUIDELINES

Detailed installation information for digital wallcovering can be found on the Wallcovering Technical Bulletin.

Wall Preparation: Walls should be prepped to a smooth, clean, and dry surface prior to installation. Mural-Pro will not hide wall flaws. Primer sealer should be used on unpainted drywall. Prime over glossy painted walls.

Paste Information: Use clear adhesives such as: Professional Ultra Premium Heavy Duty Clear Strippable (PRO-880), Golden Harvest GH-34 Clear Strippable, and Allpro Pro-Duty 3400. Clay adhesives have also shown to be effective (PRO-732, PRO-774, Golden Harvest GH-40, Allpro Extra Strength Vinyl 600 & 661). For more permanent wallcoverings, use Professional heavy Duty Clear PRO-838 or Allpro Clear Hang 610. Apply a coat of the desired adhesive using a 1/2" nap paint roller and book for 10 minutes prior to hanging.

Hanging: Do not use tape on the imaged surface. Align the top and adjoining edges. Smooth panels into place using a smoothing brush, starting at the center of the panel working toward the edges. Push out any air pockets using the smoother brush.

Laminating: Pressure-sensitive laminates are not recommended. The added weight of a pressure-sensitive laminate can result in delamination and installation issues. Liquid laminates can be used but always pretest the laminate prior to use for compatibility. Allow the Mural-Pro images to dry 24 hours before finishing.

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For more information, call 1-800-628-8604,
or visit our website: www.magicinkjet.com

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

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Tape & Stitched Hem: Standard high-tack banner tape can be used and is preferred to sewing, as the sewing process can scratch or cause coating pick-off. 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 overlamine is recommended. However, overlaminating one side may cause the product to curl toward the laminated side. Let image dry 24 hours before laminating. Refer to the lamination tips & tricks technical bulletin for guidance.