

UltraBanner™

General Description

UltraBanner is a 15-mil opaque white reinforced scrim vinyl with a blackout layer and a textured matte finish. Waterproof using pigment-based inks and water-resistant using dye based inks, it is perfect for temporary outdoor banners and long lasting indoor banners. This unique ink jet coating is engineered for heavy ink coverage, requires no lamination, and is water fast and smudge proof. There are no inherent UV inhibitors in this material. The UV stability of the finished product will be determined by the inks and, if required the laminating film. Pigmented inks MUST be used outdoors. This material can be finished with grommets or can be sewn.

Property	Specifications
Printer/Ink Compatibility	HP Dye & UV, Encad GS, GA, GO, ColorSpan UltraWide Gamut & PermaChrome, & Epson Dye. Encad GX, Ilford Archiva and ColorSpan EnduraChrome are compatible but premature fading may occur.
Applications	Temporary outdoor banners, permanent indoor banners, trade show displays
Software Setting	When using this material with Encad GO inks, utilize the UCR (Under Color Removal) technique that replaces composite black (CMY) with the appropriate amount of black ink. To optimize print quality, printers should be set for the highest print quality and media selection should be "heavy coated." Ink coverage up to 250% is recommended.
Color Matching	It is always recommended that an external calibrator be used, such as a densitometer, colorimeter, spectrophotometer, etc.
Light Fastness	The fading time of inkjet ink is a direct result of the inks that you choose to use and the environment where the print is displayed. All dye-based inks fade noticeably under direct sunlight and in interior applications where direct sunlight may fall on the image and/or where fluorescent or other UV producing lighting is present. Certain UV enhanced inks, pigment-based inks and certain UV inhibiting laminates will extend the time duration of the fading process inherent with all inkjet inks. Contact the ink manufacturer to determine suitability for any application.
Finishing/Post Processing	Allow the print to dry for 24 hours before exposing to moisture. Pressure sensitive vinyl laminates with UV inhibitors can be applied to increase the fade and abrasion resistance of the image. Polyester or other base material laminates are not recommended. Before applying the laminate, allow the image to dry for 24 hours. After applying a pressure sensitive laminate, allow the adhesive to cure for at least two hours before rolling. The surface can be damaged from excessive folding or creasing.
Tape & Stitched Hem	Banner tape can be used and is preferred to sewing, as the sewing process can scratch the coating. If sewing, a double-stitched hem is recommended with a maximum of five stitches per inch.
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.
Flame Spread Certification	Class B, Based on ASTM E84 test method
Color/Texture	Bright white reinforced scrim vinyl w/ a blackout layer, 100% opaque & a textured matte finish..
Caliper/Weight	15 mils; 13.7 oz. / square yard
Tear Strength Properties	Tensile strength – 8650/4750 psi; Ultimate Elongation – 24/29%; Initial tear resistance – 790/810 lbs/in; Tear propagation – 246/291 lbs/in (MD/TD)
Optimal Service Environment	For printing: 60-80 degrees Fahrenheit, 50% Relative Humidity. For end use: 0 degrees-300 degrees F
Ideal Storage Conditions	60-80 degrees F, 50% R.H. (a controlled environment is recommended); store in original packaging.
Handling Recommendations	Due to the absorptive nature of the coating, you should avoid touching the coated surface of the paper. It is always recommended that cotton gloves be used when handling inkjet-coated materials. Rolls of LexJet® Direct film are supplied with the coated side facing out. Be sure to print on the coated side.
Shelf Life	Greater than one (1) year from LexJet® Direct ship date when stored in proper conditions.

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Product Performance & Suitability

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