



INDUSTRIAL FABRICS – SECTION SIX

BANNERS & BILLBOARDS



E3 August 2008

Nolan Warehouses

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BANNERS & BILLBOARDS

Nolan Warehouses stock a range of printable substrates specifically designed for the sign industry. This range is compatible with most types of printing techniques and inks and can be used with complete confidence. **Sign Media** and **Bantex** products have a reputation for quality, field performance and versatility.



KEY PRODUCT FEATURES



- ✓ *UV stabilised*
- ✓ *Proven field performance*
- ✓ *Bright white background to enhance colours*
- ✓ *High strength*
- ✓ *Excellent lay flat characteristics*
- ✓ *Supported by the Nolan Warranty*

CONSUMER GUIDE

Reinforced PVC is a common substrate used in the sign industry for banner and billboard advertising. It features a high strength to weight ratio and will accept high resolution images with relative ease.

There are 3 types of reinforced PVC used for banners and billboards. 1. 'frontlit' is a basic substrate with a smooth surface. It is commonly used for billboards or banners where the back side cannot be seen. 2. 'backlit' is a similar concept to front lit except it is transparent. The image is printed on the surface and light from the back of the material illuminates the image. This effect is eye catching at night but does have set up and running costs involved. 3. 'blockout' is generally only used for double sided banners. It features 2 smooth surfaces divided by a black film. This film stops the light from passing through the material so an image can be printed on both sides without transfer.

PRODUCT DETAILS

Product	Description
 <p>FRONT LIT</p>	<p>Sign Media front-lit is a semi gloss banner material specifically designed for high resolution digital and screen printing. It has a bright white formulation to enhance colours during the printing process. Typical applications range from banners through to wide format billboards.</p> 
 <p>COATED BLOCK-OUT</p>	<p>Sign Media Coated Block-out is a heavy duty reinforced PVC banner fabric with a block-out finish. Due to the nature of the coated manufacturing process, it has exceptional physical properties including resistance to 'wind flap' making it ideal for outdoor applications. The smooth white surfaces are lacquered with an acrylic film providing an easy clean finish.</p> 
 <p>SOLIT</p>	<p>Solit is a semi rigid PVC banner fabric without the polyester reinforcing which is typically used to support banner fabrics. Solit comprises of 2 ultra smooth surfaces laminated to a block-out film. It features excellent lay flat characteristics and is compatible with most commonly used inks. Solit is the perfect solution for high definition printing and reusable banner stands.</p> 
 <p>13oz BLOCK-OUT</p>	<p>Bantex 13oz is a premium quality block-out material for double sided banners. It's unique construction provides an ultra smooth surface on both sides for high resolution printing and has excellent lay flat characteristics. Bantex has proven longevity and no equal in banner block-out fabrics.</p> 
 <p>18oz BLOCK-OUT</p>	<p>Bantex 18oz is a premium quality heavy duty block-out material for use on double sided banners. It has similar features to the Bantex 13oz material but has a heavy duty scrim and is specifically designed for outdoor banners or applications that require high strength and resilience.</p> 
 <p>TARPULIN PT</p>	<p>Protex Tarpaulin PT is available in both gloss and matt finishes. Suitable for both indoor and outdoor applications, Protex Tarpulin PT is an ideal choice for light to medium weight banners.</p> 
 <p>SIDE CURTAIN</p>	<p>Protex Side Curtain is a heavy duty material designed for truck and trailer side curtains. It has a smooth bright white surface suitable for digital printing, with the additional feature of an Acrylic coating on both surfaces to improve cleanability and enhance longevity. Protex Side Curtain has exceptional strength due to its double stack panama weave scrim and can also be used in an outdoor application where strength is paramount.</p> 

SPECIFICATIONS

Product	Width	Roll Length	Construction	Part #
SIGN MEDIA Front Lit	137cm	50m	450gsm laminated PVC supported with a 1000 x 1000 denier, 9 x 9 weave scrim.	28SIG 137
	152cm	50m		28SIG 152
	205cm	50m		28SIG 205
	250cm	50m		28SIG 250
	320cm	58m		28SIG 320
SIGN MEDIA Coated Block-out	205cm	30m	680gsm coated PVC supported with a 1000 x 1000 denier, 18 x 18 weave scrim.	28COA 205BO
SIGN MEDIA Solit	137cm	30m	510gsm laminated PVC fabric.	28SOL 500 137
BANTEX 13oz Block-out	137cm	30m	440gsm laminated PVC supported with a 150 x 150 denier, 68 x 42 weave scrim.	08BANBO 137CM
	152cm	30m		08BANBO 152CM
	190cm	45.8m		08BANBO 190CM
BANTEX 18oz Block-out	204cm	45.8m	610gsm laminated PVC supported with a 1000 x 1000 denier, 9 x 9 weave scrim.	08BANBO 204CM
PROTEX Tarpaulin PT	205cm	30m	500gsm coated PVC supported with a 1000 x 1000 denier, 9 x 9 weave weft inserted scrim.	Mat: 16TAR PT205 WHI Gloss: 16TAR PT205 WHIGLOSS
PROTEX Side Curtain	300cm	30m	930gsm coated PVC supported with a 1000 x 1000 denier, 12 x 12 panama weave scrim.	16CUR 300 WHI

PAINTING AND PRINTING

Product Selection – Choice of the appropriate material depends on the installation (i.e. indoors or outdoors), the nature of the printing process, and the types of paints or inks to be used. As a rule of thumb, all banner products stocked by Nolan Warehouses are compatible with vinyl sensitive pressure lettering, and most commonly available inks including solvent, eco-friendly and more recently, UV curing inks.

Ink Receptivity – The chemistry of inks is complex, and their interaction with a PVC substrate always a little uncertain. Ink receptivity depends on the relative surface tension of the ink and the substrate. If the ink solution forms beads and is not wetting the surface, its surface tension exceeds that of the substrate. If a solution wets the surface, the reverse is the case. For good ink adhesion, the substrate should have a surface energy higher than the ink. Surface tension can be measured in dynes or dyne/cm. A typical value for PVC being between 32 and 37. The value of printing inks is generally much higher than this ensuring surface penetration.

CARE INSTRUCTIONS



In general, most soiling can be removed with warm soapy water and several clear water rinses. If necessary, a 1:10 dilution of household bleach containing 5.25% Sodium Hypochlorite will not harm the fabric. Moderate scrubbing with a medium bristle will help loosen the soiling agent from the depressions of embossed surfaces. Powdered abrasives, steel wool and industrial strength cleaners are not recommended, as they will dull the surface gloss. Dry cleaning fluids and lacquer solvents attack the surface, and should not be used.