

# ROBAN Banner Vinyls

Unisign  
Single Sided Blockout Banners  
BLT440

UNISIGN is a PVC laminated reinforced blockout banner vinyl with a UV resistant print formulation and a high tensile knitted yarn designed for high resolution single sided images displayed in high strength indoor or outdoor sign & banner applications. A black centre layer is provided to restrict the effect which light transmission has on the graphic appearance. The reverse can be printed but vary's slightly from the main print surface.



Quality

Economy

Performance



Premium



## Product information

Composition:	Calendered PVC film lam-coated to high tensile knitted polyester yarn
Main Applications:	High strength single sided blockout banners, billboard & building skins, hoarding graphics & real-estate signs
Features:	Blockout, smooth, excellent lay-flat & strength, black centre blockout layer
Benefits:	Reliable print & finishing capabilities with durability, strength and minimal light transmission
Surface Treatment:	Corona
Formulation:	Anti-static, UV stabilized, Fire Retardant
Storage Conditions:	Store at 22°C 50 ~ 55% RH
Shelf Life:	12 months from date of manufacture
Remarks:	Excellent flatness on UV cured inkjet printers



## Stock Availability

Sheet Sizes:	See Sheet Cutting
Roll Widths (mm):	3200, 4100, 5000
Roll Lengths (mtrs):	50
Log Cutting:	Up to 5000mm widths
Standard Core:	76mm ID
Sheet Cutting:	up to 3200mm x 1830mm



## Printing

Method:	Most solvent, UV curable digital & screen print systems.
Printable Sides:	Bothsides
Ink Suitability:	Solvent, UV & Screen



## Basic Physical Data

Thickness:	0.37mm
Weight:	440gsm
Denier & Density:	Denier 1000x1000 - Density (cm) 9 x 9
Gloss Level:	Gloss



## Thermal Data

Heat Resistance:	70 °C
Cold Resistance:	-30 °C



## Certifications

Application

- Blockout Banners

Manufacturing

- ISO9001



## Weight

- 440 grams per m<sup>2</sup> ± 5%



## Durability



6 years



3 years



## Eco Response

Certifications

- VCA Product Stewardship

Heavy Metal Free

- Compliant, non-toxic

Recyclable

- Yes

Safety Compliance

- Reach, EN-71, RoHs

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## Physical Characteristics

<b>Tearing Strength</b>	MD=20KG, CD=15KG
<b>Flame Retardant</b>	NFPA-701 DIN4102-B1
<b>Environmental</b>	EN-71, RoHS
<b>Welding Adhesion</b>	8.0 Kg/5cm
<b>Coating Adhesion</b>	142.1 N/50mm
<b>Thickness</b>	0.40 mm (15.7 mil) $\pm$ 5%
<b>Weight</b>	440 grams per m <sup>2</sup> $\pm$ 5%
<b>Yarn / Scrim</b>	Denier = 1000x1000 Dtex = 1100x1100
<b>Tensile Strength</b>	239 kg/5cm in MD, 216 kg/5cm in CD
<b>Density / Threads</b>	Per Inch = 9x9 Per cm=4x4
<b>Elongation at Break</b>	MD=25.3% CD=27
<b>Adhesion Strength</b>	8 kgs/50mm in both MD and CD
<b>Surface Tension</b>	42 Dyne/cm <sup>3</sup>
<b>Surface Finish</b>	Gloss
<b>UV Stabilized</b>	Yes

## Finishing

<b>Cutting</b>	✓
<b>Welding</b>	✓
<b>Folding</b>	✓
<b>Gluing</b>	✓
<b>Eyeletting</b>	✓
<b>Stitching</b>	✓
<b>Laminating</b>	✓
<b>Bending</b>	✓
<b>Routing</b>	X
<b>Punching</b>	✓
<b>Drilling</b>	✓
<b>Screwing</b>	✓
<b>V-Grooving</b>	X