

# ROBAN Banner Vinyls

Optima  
Double Sided Blockout Banners  
BLX650

OPTIMA is a two sided, smooth, PVC coated, reinforced blockout banner vinyl with a UV resistant print formulation and a high tensile woven high density yarn designed for high resolution double 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 and the surface coating thickness prevents the inner scrim to be visible through the printed image. Its dimensional stability assists with its ability to drape well.



Quality

Economy

Performance

► Premium

## Product information

Composition:	High tensile round woven polyester yarn knife coated with PVC resin on 2 sides
Main Applications:	Double sided closely viewed pole and drop banners requiring minimal scrim visibility
Features:	Two sided smooth surface, excellent white point & blockout layer
Benefits:	Highest image quality, ease of printing, processing & durability
Formulation:	Anti-static, UV stabilized, Fire Retardant
Storage Conditions:	Store at 22°C 50 ~ 55% RH
Shelf Life:	12 months from date of manufacture

## Certifications

- Quality & Testing
- APN Outdoor approved
- Application
- Closely viewed, high quality 2 sided banners
- Manufacturing
- ISO9001



## Weight

- 650 grams per m<sup>2</sup> ± 5%

## Stock Availability

Sheet Sizes:	See Sheet Cutting
Roll Widths (mm):	1370, 1600, 2500, 3200
Roll Lengths (mtrs):	50 + 100 for 1370mm & 1600mm widths
Log Cutting:	Up to 3200mm widths
Standard Core:	76mm ID
Sheet Cutting:	up to 3200mm x 1830mm

## Durability

-  6 years
-  3 years

## Printing

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

## Eco Response

- Certifications
- VCA Product Stewardship
- Heavy Metal Free
- Compliant, non-toxic
- Recyclable
- No
- Safety Compliance
- Reach, EN-71, RoHs

## Basic Physical Data

Thickness:	0.45mm
Weight:	650gsm
Denier & Density:	Denier 500x500 - Density (cm) 28 x 28
Gloss Level:	Matte

## Thermal Data

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

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## Physical Characteristics

<b>Tearing Strength</b>	MD=18.6KG, CD=14.5KG
<b>Flame Retardant</b>	NFPA-701 DIN4102-B1
<b>Environmental</b>	EN-71, RoHS
<b>Welding Adhesion</b>	7.5 & 6.2 Kg/5cm
<b>Coating Adhesion</b>	142.1 N/50mm
<b>Thickness</b>	0.45 mm (15.7 mil) ± 5%
<b>Weight</b>	650 grams per m <sup>2</sup> ± 5%
<b>Yarn / Scrim</b>	Denier = 500x500 Dtex = 550x550
<b>Tensile Strength</b>	195 kg/5cm in MD 159 kg/5cm in CD
<b>Density / Threads</b>	Per Inch = 28x28 Per cm=11x11
<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>	Matte
<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