

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 m² ± 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



Printing

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



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



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

Tearing Strength	MD=18.6KG, CD=14.5KG
Flame Retardant	NFPA-701 DIN4102-B1
Environmental	EN-71, RoHS
Welding Adhesion	7.5 & 6.2 Kg/5cm
Coating Adhesion	142.1 N/50mm
Thickness	0.45 mm (15.7 mil) \pm 5%
Weight	650 grams per m ² \pm 5%
Yarn / Scrim	Denier = 500x500 Dtex = 550x550
Tensile Strength	195 kg/5cm in MD 159 kg/5cm in CD
Density / Threads	Per Inch = 28x28 Per cm=11x11
Adhesion Strength	8 kgs/50mm in both MD and CD
Surface Tension	42 Dyne/cm ³
Surface Finish	Matte
UV Stabilized	Yes

Finishing

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