

ROBAN Banner Vinyls

Optima Latex
Double Sided Blockout Banners
LX580

OPTIMA LATEX is a UV resistant, PVC coated, smooth satin surfaced reinforced blockout banner vinyl exhibiting a scrimless appearance after printing making it ideal for closely viewed, high resolution images used in high strength indoor or outdoor sign & banner applications. Its softer coating gives a more supple & flexible feel and is dimensionally stable, drapes well and is more visually appealing. This product has been engineered to suit latex printers & their inks.



Quality

Economy

Performance

► Premium

Product information

Composition:	High tensile 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
Remarks:	HP latex suitable

Certifications

Application

- Closely viewed, high quality 2 sided banners

Manufacturing

- ISO9001

Weight

- 580 grams per m² ± 5%

Stock Availability

Sheet Sizes:	See Sheet Cutting
Roll Widths (mm):	1370, 1600, 2500, 3200
Roll Lengths (mtrs):	50
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, Latex, UV curable digital & screen print systems
Printable Sides:	Bothsides
Ink Suitability:	Solvent, Latex, UV & Screen

Eco Response

Certifications

- VCA Product Stewardship

Heavy Metal Free

- Compliant, non-toxic

Recyclable

- Yes

Safety Compliance

- Reach, EN-71, RoHs

Basic Physical Data

Thickness:	0.40mm
Weight:	580gsm
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

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	0.40 mm (15.7 mil) ± 5%
Weight	580 grams per m ² ± 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