

ROBAN Banner Vinyls

Signtuff Satin
Single Sided Banners
FLS440

SIGNTUUFF SATIN is a PVC laminated reinforced banner vinyl with a UV resistant print formulation and a high tensile knitted yarn making it ideal for long viewed, high resolution single sided images displayed in high strength indoor or outdoor sign & banner applications. The PVC film is bonded with the fabric using a chemical process which allows optimum fabric strength & prevents premature de-lamination whilst maintaining a formulation which is easy to print, finish and install.



Quality

Economy

▶ Performance

Premium

Product information

Composition:	Calandared PVC film lam-coated both sides of a high tensile knitted polyester yarn
Main Applications:	High strength long viewed single sided banners and billboard skins
Features:	Frontlit, excellent lay-flat & strength, uniform print surface
Benefits:	Reliable print & finishing capabilities with optimum durability & strength
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

Certifications

- Application
- Close viewed banners
- Manufacturing
- ISO-9001

Weight

- 440 grams per m² ± 5%

Stock Availability

Sheet Sizes:	See sheet cutting
Roll Widths (mm):	1370, 1600, 1830, 2040, 2500, 3200, 3500, 4200, 5000mm.
Roll Lengths (mtrs):	50, 100 (for 1600mm) & 58 (for 3200mm ~ 5000mm)
Log Cutting:	Up to 5000mm rolls
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:	One, wound facing inside of roll
Ink Suitability:	Solvent, 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:	0.37mm
Weight:	440gsm
Denier & Density:	Denier 1000x1000 - Density (cm) 9 x 9
Gloss Level:	Satin

Thermal Data

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

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Physical Characteristics

Tearing Strength	MD=20KG, CD=15KG
Flame Retardant	NFPA-701 DIN4102-B1
Environmental	EN-71, RoHS
Welding Adhesion	7.5 Kg/5cm
Coating Adhesion	142.1 N/50mm
Thickness	0.37mm mm (14.5 mil) ± 5%
Weight	440 grams per m ² ± 5%
Yarn / Scrim	Denier = 1000x1000 Dtex = 1100x1100
Tensile Strength	145 kg/5cm in MD 125 kg/5cm in CD
Density / Threads	Per Inch = 9x9 Per cm=4x4
Elongation at Break	MD=25.3% CD=27%
Adhesion Strength	8 kgs/50mm in both MD and CD
Surface Tension	42 Dyne/cm ³
Surface Finish	Satin
UV Stabilized	Yes

Finishing

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