

# ROBAN Banner Vinyls

Sigtuff Blackback  
Single Sided Blockout Banners  
FLS440BW

SIGTUUFF BLACKBACK is a PVC laminated reinforced blockout banner vinyl with a UV resistant print formulation and a high tensile knitted yarn ideal for long viewed, high resolution single sided images displayed in high strength indoor or outdoor sign & banner applications. A black film layer is provided on the back to restrict the effect which light transmission has on the graphic appearance.



Quality

Economy

▶ Performance

Premium

## Product information

Composition:	PVC film lam-coated to high tensile knitted polyester yarn
Main Applications:	High strength long viewed single sided blockout banners, billboard & building skins, hoarding graphics & real-estate boards
Features:	Frontlit, excellent lay-flat & strength, modified print surface, black back
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

## Certifications

- Application
- Blockout banners and billboard skins
- Manufacturing
- ISO9001

## Weight

- 440 grams per m<sup>2</sup> ± 5%

## Stock Availability

Sheet Sizes:	See Sheet Cutting
Roll Widths (mm):	1370, 1600, 2040, 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, 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:	High Gloss

## Thermal Data

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

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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) ± 5%
<b>Weight</b>	440 grams per m <sup>2</sup> ± 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>	High 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