

ROBAN Banner Vinyls

Signtuff Gloss
Single Sided Banners
FLG440

SIGNTUFF GLOSS is a PVC laminated reinforced banner vinyl with a UV resistant print formulation and a high tensile knitted yarn which is ideal for long viewed, high resolution single sided images displayed in high strength indoor or outdoor sign & banner applications. Mainly used for billboard skins printed in high speed print modes where the ink-to-surface compatibility should be well balanced.



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, modified 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 |
| Remarks: | Prints well in billboard mode on HP UV cured printers |

Certifications

- Application
- Banners & Billboard Skins
- Manufacturing
- ISO9001



Weight

- 440 grams per m² ± 5%

Stock Availability

| | |
|----------------------|-----------------------|
| Sheet Sizes: | See Sheet Cutting |
| Roll Widths (mm): | 3200, 3500, 5000 |
| Roll Lengths (mtrs): | 70 |
| Log Cutting: | Up to 5000mm 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

| | |
|----------------------------|--|
| Tearing Strength | MD=20KG, CD=15KG |
| Flame Retardant | NFPA-701 DIN4102-B1 |
| Environmental | EN-71, RoHS |
| Welding Adhesion | 8.0 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 | 239 kg/5cm in MD, 216 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 | High Gloss |
| UV Stabilized | Yes |

Finishing

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