ROTEX Signage Textiles

Airmesh 300 Lined
Air Permeable Mesh Banners
BMESH300

RojoPacific
LARGE FORMAT PRINTING MATERIALS

AIRMESH 300 LINED is a high tensile, open structure, air permeable knitted polyester yarn with a white digitally printable PVC coating with an ink catching peel off liner on the back. It is ideal for printed high resolution single sided images displayed indoors and in high strength outdoor applications whereby wind, light transfer & visibility are required. The PVC film is bonded with the fabric using a chemical process which maintains 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:	PVC film lam-coated to high tensile knitted polyester yarn
Main Applications:	Hoardings, fencing, general banners requiring small hole allowing extra ink coverage.
Features:	Frontlit, excellent strength & layflat, smooth surface, uniform hole size, printable one side & peel off liner
Benefits:	Reliable print & finishing capabilities with optimum durability & strength
Surface Treatment:	Ink receptive lacquer
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:	Hole size approximately 2mm x 3mm

Stock Availability

Sheet Sizes:	See sheet cutting
Roll Widths (mm):	1370, 1600, 2040, 2500
Roll Lengths (mtrs):	50
Log Cutting:	Up to 2500mm rolls
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:	0.38mm
Weight:	300gsm
Denier & Density:	Denier 1000x1000 - Density (cm) 12 x 12
Gloss Level:	Matte

Thermal Data

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

Certifications

Quality & Testing
- SGS Air Permeability, April 2011

Application
- High rise scaffolding & fence signage

Manufacturing
- ISO-9001

Weight

- 300 grams per m² ± 5%

Durability

- 6 years
- 3 years

Eco Response

Certifications
- VCA Product Stewardship

Heavy Metal Free
- Yes

Recyclable
- Yes

Safety Compliance
- Reach, EN-71, RoHs

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Physical Characteristics

Flame Retardant	NFPA-701 DIN4102-B1
Environmental	EN-71, RoHS
Welding Adhesion	7.5 Kg/5cm
Air Permeability	Average 2052 mm/s (ISO9237-1995)
Coating Adhesion	142.1 N/50mm
Thickness	0.38mm (15 mil) ± 5%
Weight	300 grams per m² ± 5%
Yarn / Scrim	Denier = 1000x1000 Dtex = 1100x1100
Tensile Strength	210kgs/50mm inMD, 160 kgs/50mm inCD.
Density / Threads	Per Inch = 12x12 Per cm=4.7x4.7
Elongation at Break	MD=30% CD=25
Adhesion Strength	8 kgs/50mm in both MD and CD
Surface Tension	42 Dyne/cm3
Surface Finish	Matte
UV Stabilized	Yes

Finishing

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

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