ROTEX Signage Textiles

Airmesh 300 Lined Air Permeable Mesh Banners BMESH300



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 delamination whilst maintaining a formulation which is easy to print, finish and install.



Performance

Premium



Composition: PVC film lam-coated to high tensile knitted polyester yarn

Hoardings, fencing, general banners requiring small hole allowing Main Applications:

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

Store at 22°C 50 ~ 55% RH Storage Conditions:

Shelf Life: 12 months from date of manufacture Remarks: Hole size approximately 2mm x 3mm



Quality & Testing

• SGS Air Permeability, April 2011

Application

• High rise scaffolding & fence signage

Manufacturing

• ISO-9001



• 300 grams per m² ± 5%



Sheet Sizes: See sheet cutting Roll Widths (mm): 1370, 1600, 2040, 2500

Roll Lengths (mtrs):

Log Cutting: Up to 2500mm rolls

Standard Core: 76mm ID

Sheet Cutting: Up to 3200mm x 1830mm





6 years



3 years



Certifications

• VCA Product Stewardship

Heavy Metal Free

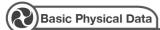
Yes

Recyclable

Yes

Safety Compliance

• Reach, EN-71, RoHs



Printing

Printable Sides:

Ink Suitability:

Method:

0.38mm Thickness: Weight: 300gsm

Denier & Density: Denier 1000x1000 - Density (cm) 12 x 12

Bothsides

Solvent, UV & Screen

Gloss Level: Matte

Thermal Data

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





Most solvent, UV curable digital & screen print systems.

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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) \pm 5% Weight 300 grams per m² \pm 5%

Yarn / Scrim Denier = 1000x1000 Dtex = 1100x1100Tensile Strength 210kgs/50mm inMD, 160 kgs/50mm

inCD.

Density / Threads Per Inch = 12x12 Per cm=4.7x4.7

Elongation at

tion at MD=30% CD=25

Break

Adhesion 8 kgs/50mm in both MD and CD

Strength

Surface Tension 42 Dyne/cm3

Surface Finish Matte UV Stabilized Yes

(\mathcal{R})	Finishing

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

