

ROTEX Signage Textiles

Airmesh 220
Air Permeable Mesh Banners
MESH220

AIRMESH 220 is a high tensile, open structure, air permeable knitted polyester yarn with a white digitally printable PVC coating on both sides. It is ideal for printed high resolution single or double 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 a moderate hole allowing extra wind transfer
Features:	Frontlit, excellent strength & layflat, smooth surface, uniform hole size, printable 2 sides.
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:	Moderate Hole Size

Stock Availability

Sheet Sizes:	See sheet cutting
Roll Widths (mm):	5000 (1600, 1800, 2500 & 3200 log cut)
Roll Lengths (mtrs):	50
Log Cutting:	Up to 5m 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:	0.30mm
Weight:	220gsm
Denier & Density:	Denier 1000x1000 - Density (cm) 6 x 6
Gloss Level:	Matte

Thermal Data

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

Certifications

Quality & Testing

- SGS Air Permeability, March 2011

Application

- High rise scaffolding & fence signage

Manufacturing

- ISO-9001

Weight

- 220 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

Physical Characteristics

Tearing Strength	MD=24 CD=15 Kg/5cm (DIN 53363)
Flame Retardant	NFPA-701 DIN4102-B1
Environmental	EN-71, RoHS
Welding	7.5 Kg/5cm
Adhesion	
Air Permeability	Average 6394 mm/s (ISO9237-1995)
Coating	142.1 N/50mm
Adhesion	
Thickness	0.38mm (15 mil) ± 5%
Weight	220 grams per m ² ± 5%
Yarn / Scrim	Denier = 1000x1000 Dtex = 1100x1100
Tensile Strength	115kgs/50mm in MD, 90 kgs/50mm in CD.
Density / Threads	Per Inch = 6 x 6 Per cm = 2.4 x 2.4
Adhesion Strength	8 kgs/50mm in both MD and CD
Surface Tension	42 Dyne/cm ³
Surface Finish	Matte
UV Stabilized	Yes

Finishing

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