Architectural Membranes

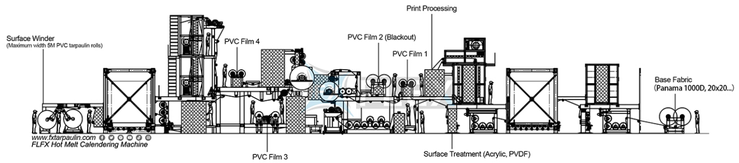
Architectural Membranes (SGS)

Are you still worried about not being able to find high-quality Architectural Membranes?

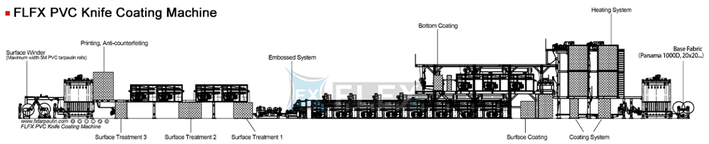
Architecture is a dynamic field, with technologies and materials constantly evolving. A revolution making waves in the construction world, architectural membranes are thin, flexible materials that serve as a protective layer for structures. Typically composed of materials such as polyvinyl chloride (PVC), polytetrafluoroethylene (PTFE), ethylene tetrafluoroethylene (ETFE), and coated fabrics, these membrane in architectures offer the unique properties of high strength and flexibility. These lightweight, flexible and durable materials have become an integral part of modern structural design and construction.

FLFX PVC architectural membrane is also a type of PVC tarpaulin. It mainly adopts the industry-leading knife coating process and introduces PVDF and fluoropolymer surface treatment imported from Germany. It achieves excellent weather resistance and stain resistance while effectively blocking plasticizer migration and anti-aging. Thereby greatly extending the service life of the membrane material. Mainly used in large public facilities such as stadiums, exhibition halls, shopping malls, and airports.

- FLFX Hot Melt Calendering Machine



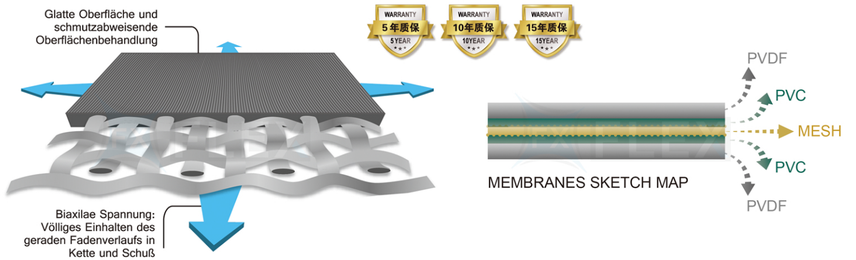
- FLFX PVC Knife Coating Machine

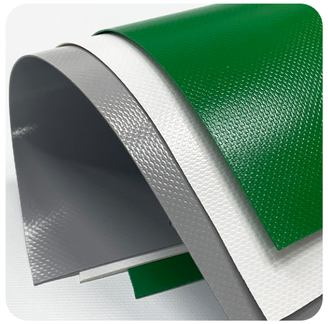


PVC Membranes

PVC Architectural Membranes

	FLFX7001	FLFX7002	FLFX7003	FLFX7004	Testing Method
▪ Technical properties					
Total Weight	1350 g/m² 40 OZ/YD²	1250 g/m² 37 OZ/YD²	1100 g/m² 32.5 OZ/YD²	1050 g/m² 31 OZ/YD²	DIN EN ISO 2286-2 BS 3424 Method 5A
Base Fabric	100%PES Panama 2200Dtex 15×15/inch	100%PES Panama 1650Dtex 15×18/inch	100%PES Panama 1430Dtex 17×19/inch	100%PES Panama 1100Dtex 20×17/inch	DIN EN ISO 2060
Tensile Strength (warp/weft)	9000/8600 N/5cm 2025/1912 LBS/2inch	6500/6200 N/5cm 1462/1395 LBS/2inch	5500/5200 N/5cm 1237/1170 LBS/2inch	5300/5100 N/5cm 1192/1147 LBS/2inch	DIN 53 354 BS 3424 Method FS 5100
Tear Strength (warp/weft)	1200/1200 N 270/270 LBS	800/800 N 180/180 LBS	700/700 N 157/157 LBS	750/750 N 169/169 LBS	DIN 53 363 BS 3424 Method FS 5134
Adhesion	200 N/5cm 45 LBS/2inch	180 N/5cm 40 LBS/2inch	160 N/5cm 36 LBS/2inch	150 N/5cm 33 LBS/2inch	DIN 53 357 FS 5970 BS 3424 Method 9B
Width(Optional)	1.6/ 2.5/ 2.8/ 3/ 3.2 /5.1m	1.6/ 2.5/ 2.8/ 3/ 3.2 /5.1m	1.6/ 2.5/ 2.8/ 3/ 3.2 /5.1m	1.6/ 2.5/ 2.8/ 3/ 3.2 /5.1m	-
Temperature Resistance	-30℃ / +70℃	-30℃ / +70℃	-30℃ / +70℃	-30℃ / +70℃	DIN EN 1876-2 BS 3424 Method 10 FS 5874
Flame Retardancy (Optional)	B1, M2	B1, M2	B1, M2	B1, M2	EN 13501 NFPA-701 ASTM E84
Lacquering (Optional)	PVDF/Acrylic	PVDF/Acrylic	PVDF/Acrylic	PVDF/Acrylic	
Application	Arch-Membranes	Arch-Membranes	Arch-Membranes	Arch-Membranes	





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