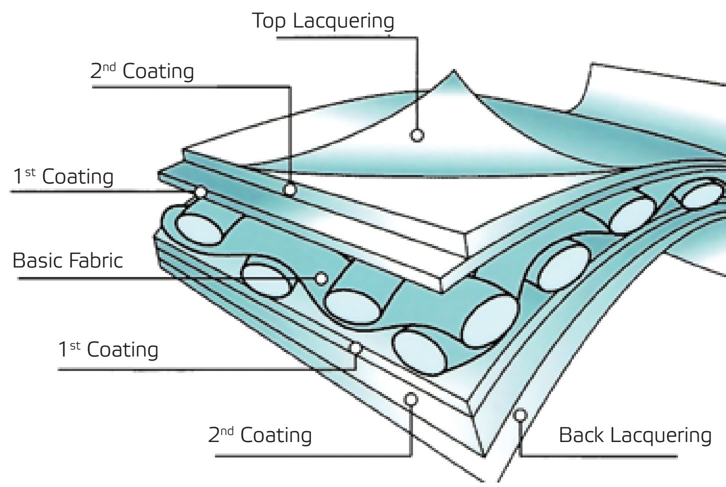
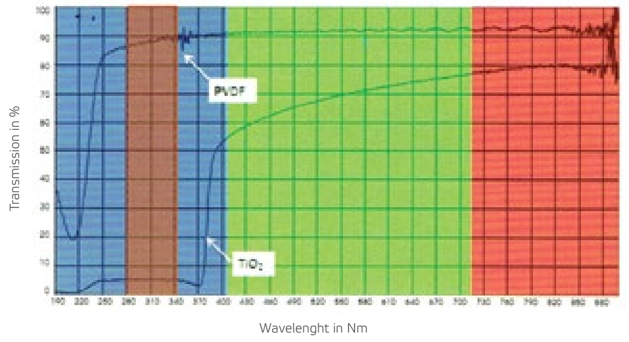


HIGH PERFORMANCE
ANTI-UV
ARCHITECTURAL MEMBRANE

The Architectural Membrane take advantage of innovative technology using the newest lacquering technique-Nano TiO2. The diameter of Nano TiO2 is under 100NM with excellent thermo stability which ensures no fading, no decomposition and no volatilization as long as lacquer layer is not destroyed. High hydrophobicity of Nano TiO2 can form anti-fog coating, at the same time strong oxidation property enables self cleaning of pollution and dirt.

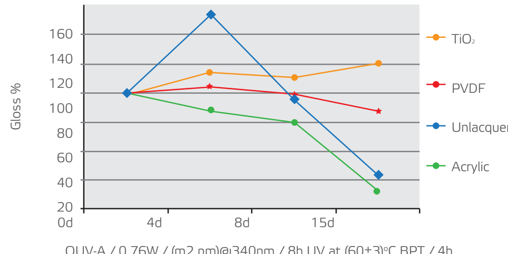
Nano TiO2 applied in a special semiconductor structure allows the membrane to absorb and reflect about 90% of the ultraviolet (UV) rays while making most of the visible light transmission. Nano TiO2 is an inorganic material and after formulation has a very high chemical stability which prevents separation between lacquer layer and PVC layer reducing plasticizer migration to a minimum ensuring that physical property do not deteriorate over its service life.

The performance of UV-shielding and visible light transmittances of fabrics under different surface treatment



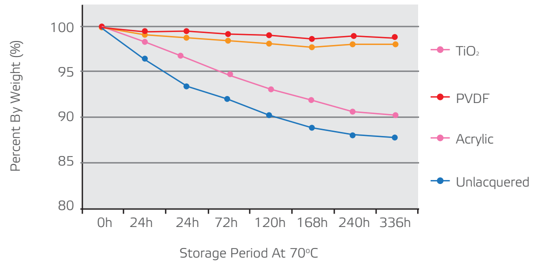
About 90% UV-Light can be filtered by Nano TiO_2, moreover, the light transmittance can be more than 70%m, with an outstanding Anti-UV ability

The testing about weather and ability and surface glassiness of membrane structure fabric under different lacquer method



Nano TIO2 has an outstanding self-cleaning ability. The surface Glossiness of fabric with Nano TiO_2 lacquer is glossy than those with other lacquer method after weather resistance test, and not easy to absorb the dirt.

Surface Treating Agent Blocking of Plasticizer



The fabric with Nano TiO_2 lacquer is better than the other with PVDF or Acrylic lacquer.

The Architectural Membrane is polyester fabric coated with PVC resin and surface treatment of suitable lacquer, which can effectively protect and reduce UV damage to PVC coating layer including discoloration and also improve the self-cleaning of membrane.

LONG LIFE
Professional formula extends the lifespan of PVC architectural membrane and to ensure 7 to 15 years of quality guarantee.

FIRE RETARDANT
To ensure higher safety for architectures, special formula are added to achieve high fire retardant, thus to make our membrane meet B1/ B2 NFPA701.

LIGHT TRANSMITTANCE
The membrane could realise energy saving by decreasing illumination intensity and time. Meanwhile, the scene created from collared lights will also bring good effect on advertising.

EASY CLEANING AND STAIN RESISTANCE
By using innovating technology and high effective lacquering, architectural membrane has excellent self-cleaning property. The lacquer with high amount of PVDF and TIO2 reflects or absorb UV enable the material long stability.

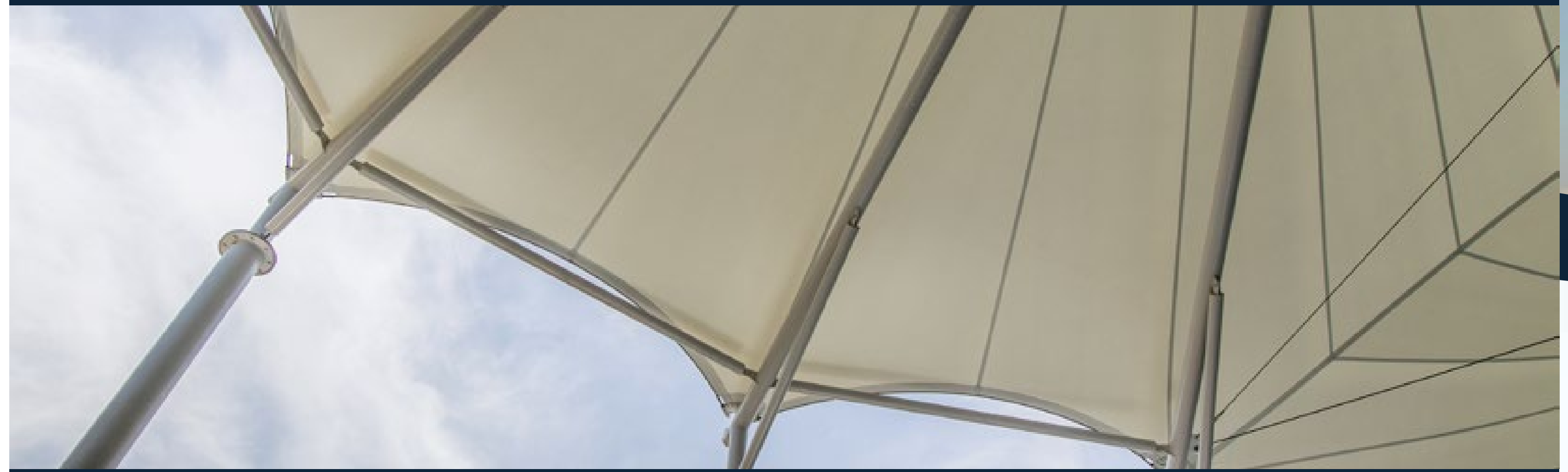
ANTI-WICK
Professional formula and special treatment on basic fabric will stop pollution spreading over through basic fabric.

ANTI-UV ARCHITECTURAL MEMBRANE
The membrane can reach excellent UV protection and be kept in good shape because of modified formula and professional surface treatment.

REINFORCED POLYESTER
Cooperating with well-known manufacturer to ensure the stability of basic, and teach same strength for weft and warp and meet requirements of precontraint for membrane.

ANTI-MILDEW AND ANTI-BACTERIA
By using the high-density base fabric and adding anti mildew assistance to completely avoid the appearance of determinating and mildew caused by dampness penetration.

THE MINIMISATION OF PLASTICIZER MIGRATION
Chemical resistance on the surface of the material can achieve long-term protection and prevent the separation between lacquer layer and PVC coating layer, which can be reduced the plasticizer migration to a minimum value, and then to ensure that the physical properties of the membrane material in use for a longer service life.



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Designde & Printed by
Redpixel Printworks | sales@redpixels.in
V3 | July19

HIGH PERFORMANCE
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MEMBRANE

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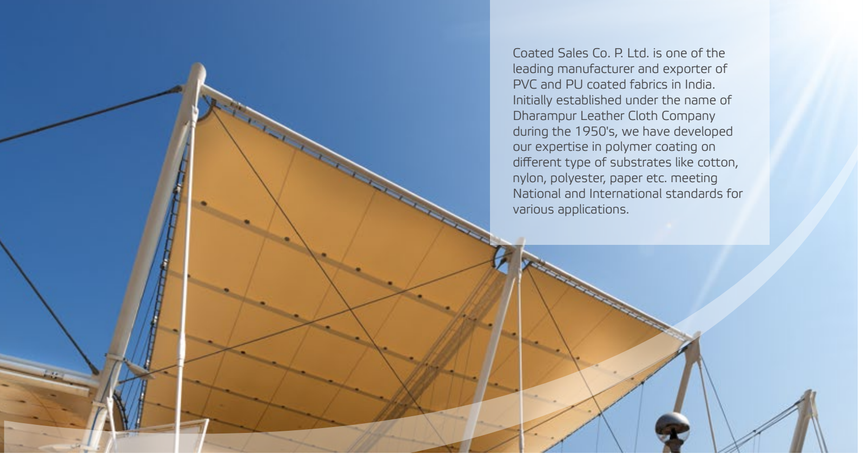

Coated Sales Co. P. Ltd. is one of the leading manufacturer and exporter of PVC and PU coated fabrics in India. Initially established under the name of Dharampur Leather Cloth Company during the 1950's, we have developed our expertise in polymer coating on different type of substrates like cotton, nylon, polyester, paper etc. meeting National and International standards for various applications.

TF650

TF850

TF750

TF950

TF750B

TF1050

Technical Specifications

Tests Item \ Type	Test Method	Type-I TF650	Type-I TF750	Type-I TF750B	Type-I TF850	Type-II TF950	Type-II TF1050
Type of Yarn(dtex)	DIN ISO 2060	1100	1100	1100	1100	1100	1100
Yarn Count (yarn/cm)	DIN EN 1049-2	9/9	9/9	9/9	9/9	12/12	12/12
Weave Style	DIN ISO 9354	L1/1	L1/1	L1/1	L1/1	P2/2	P2/2
Total Weight (gsm)	EN ISO 2286-2	650	750	750	850	950	1050
Total Thickness (mm)	ISO 4593	0.52	0.58	0.58	0.67	0.75	0.82
Tensile Strength (N/5cm)	EN ISO 1421	2500/2200	3000/3000	3000/3000	3000/3000	4200/4000	4600/4500
Tear Strength (N/5cm)	DIN 53363	250/300	300/300	300/300	300/300	550/500	550/500
Adhesion (N/cm)	EN ISO 2411	> 100	> 100	> 100	> 100	> 120	> 120
Threshold Temperature	DIN EN 1876-1	-30~70°C	-30~70°C	-30~70°C	-30~70°C	-30~70°C	-30~70°C
Light Transmission	DIN ISO 2060	9%	9%	0%	9%	8%	8%
Surface Treatment		PVDF					TiO_2
Flame Retardancy	DIN4102-1 GB8624-2012	B2	B1				
Warranty (Years)		7	10	10	10	10	10

- The technical data here above are average values with a ±5% tolerance
- The buyer of our products is fully responsible for their application or their transformation concerning any possible third party.
- All the data above are the best we can provide for the intended purpose and not legally binding.
- Our products are subjects to evolution due to technical progress; we remain entitled to modify the characteristics of our products at any time.