



Sioen technical textiles for tensile architecture: Fluomax

The reference material expressing the architects signature to its best. Its **superb PVDF topcoat** ensures you the brilliance and luster expected from each creative structure. Its flexibility and lightness inspires you to go beyond the boundaries of your imagination and stills the hunger of your creativity. It's not just a material but it is the standard.



Directly weldable PVC coated polyester fabric with both side PVDF surface treatment. Low Wick, Flame retardant, Anti-bacteria and UV treated.



Textile Solution Provider - Go to www.sioen.com for more information.
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Basic properties

Total weight DIN ISO 2286/2 1998
1350 g/m²

Composition
Polyester + Architectural PVC

Thickness DIN 5084
1,15 mm

Aspect embossing
Glossy

Key features
Low wick, Flame retardant,
Antibacterial, UV treated

Composition

Fabric

Warp DIN ISO 2075 • DIN ISO 2060
Polyester, 1670 dtex

Weft DIN ISO 2075 • DIN ISO 2060
Polyester, 1670 dtex

Coating

Top: Architectural PVC
Bottom: Architectural PVC

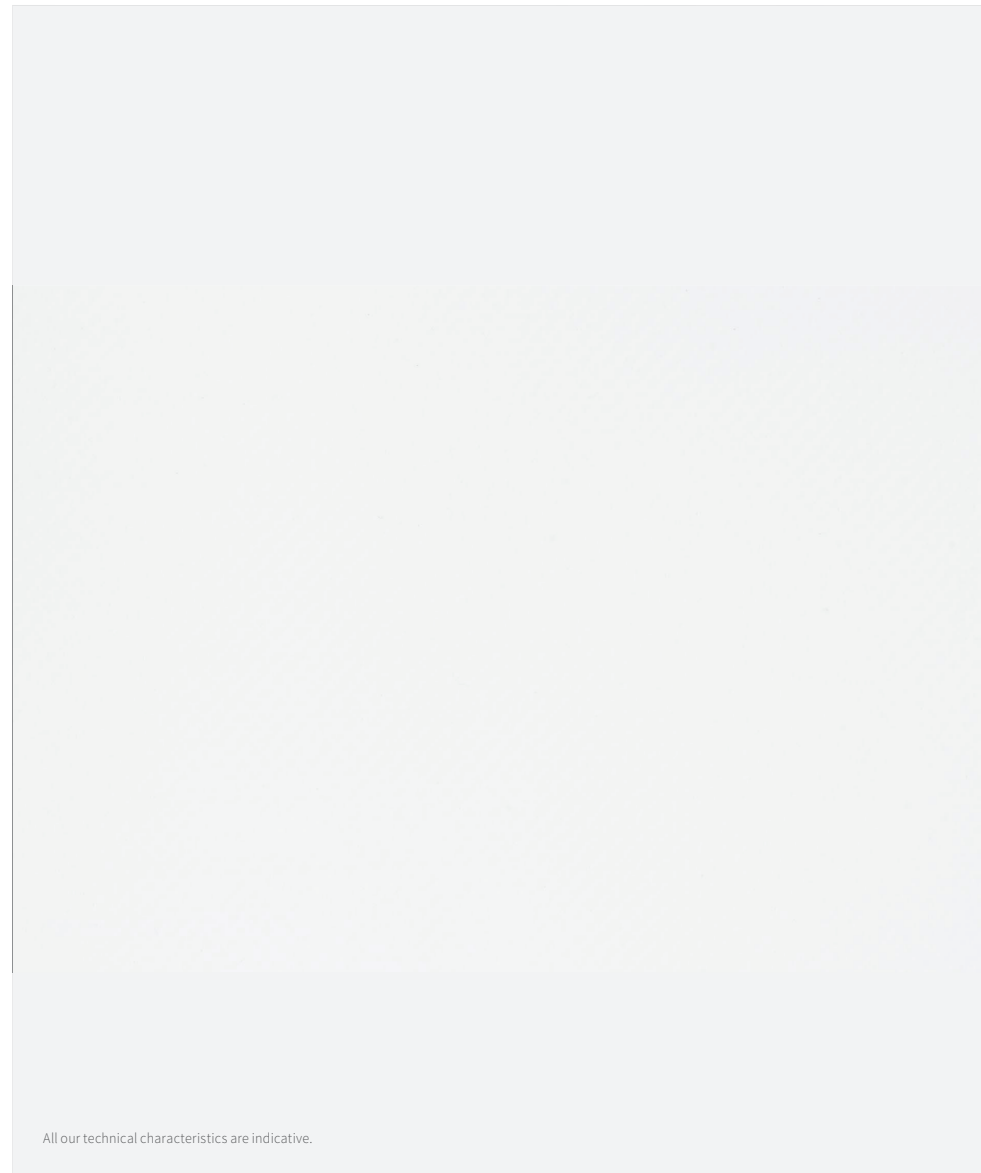
Surface treatment

Top: PVDF Fluomax
Bottom: PVDF Fluomax

Warranty

15 years

Sample



Technical specifications

Breaking strength Warp	8000 N/5cm	EN ISO 1421/1 1998
Breaking strength Weft	7000 N/5cm	EN ISO 1421/1 1998
Tear strength Warp	1200 N	DIN 53363 2003
Tear strength Weft	1200 N	DIN 53363 2003
Adhesion	120 N/5cm	EN ISO 2411 2000
Temperature resistance	-30/+70 °C	DIN EN 1876/2 1998
Fire behaviour	B1	DIN 4102 1998
	PASS	BS7837 1996
	PASS	CALIFORNIA T19
	PASS	GOST
	PASS	NFPA 701
Reaction to fire	C-s2-d0	EN 13501-1 + A1 2009
Solar Transmission (Ts)	5,4 %	DIN EN 410
Visible light transmission (Tv)	4,9 %	EN 410
Solar Reflection (Rs)	82 %	DIN EN 410
UV Transmission (Tuv)	0 %	DIN EN 410
Solar Reflectance Index (SRI)	104	ASTM E 1980
Solar Factor (G value)	7 %	DIN EN 13363-1
U-Value (Vertical Airflow)	5,5 W/(m ² .K)	DIN EN ISO 6946
U-Value (Horizontal Airflow)	4,6 W/(m ² .K)	DIN EN ISO 6946
Flex resistance (x100.000 cycles)	NO CRACKS	DIN 53359-A
Fungal resistance	Degree 0, excellent	ISO 846-A

Technical drawing

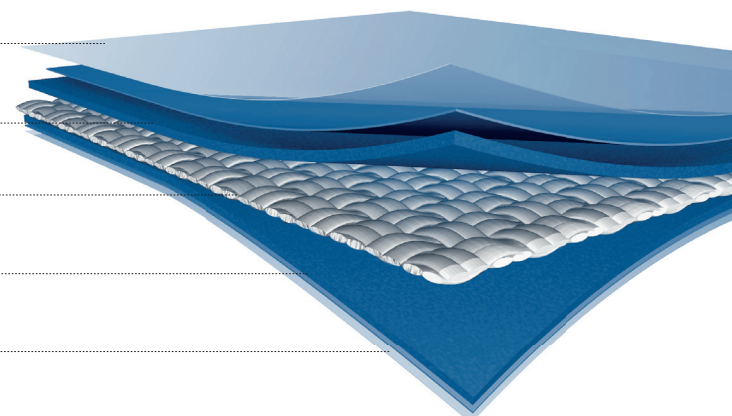
Surface treatment (front)
PVDF direct weldable (2 layers)

Base coating
Architectural PVC coating (2 layers)

Fabric
High tenacity PES low wick treated

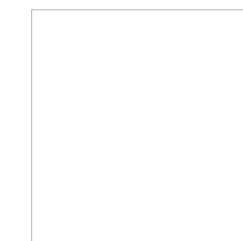
Base coating
Architectural PVC coating (2 layers)

Surface treatment (back)
PVDF direct weldable (2 layers)

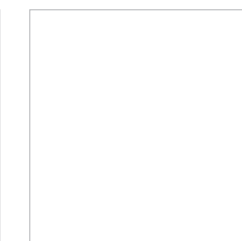


Colours

Other colours and widths on request.



1901* - Sandstone



9909 - White

250 cm - Not Standard
* Min. order 1000 lm

250 cm - Standard



Get Inspired:
<https://sio.to/et12g>