

SIOEN



TENSILE ARCHITECTURE

Type 0 membrane for tensile architecture. Both side PVDF surface treatment for enhanced lifetime. Directly weldable for easy and efficient confectioning. Low Wick, Flame retardant, Anti-bacterial and UV treatment for excellent weathering resistance.



Low wick



Flame retardant



Anti-bacterial



UV treated



Direct weldable



Warranty

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.



SIOEN

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

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

Composition
Polyester + Architectural PVC

Composition

Lacquering

Top: PVDF Fluomax
Bottom: PVDF Fluomax
Finishing: Glossy

Fabric

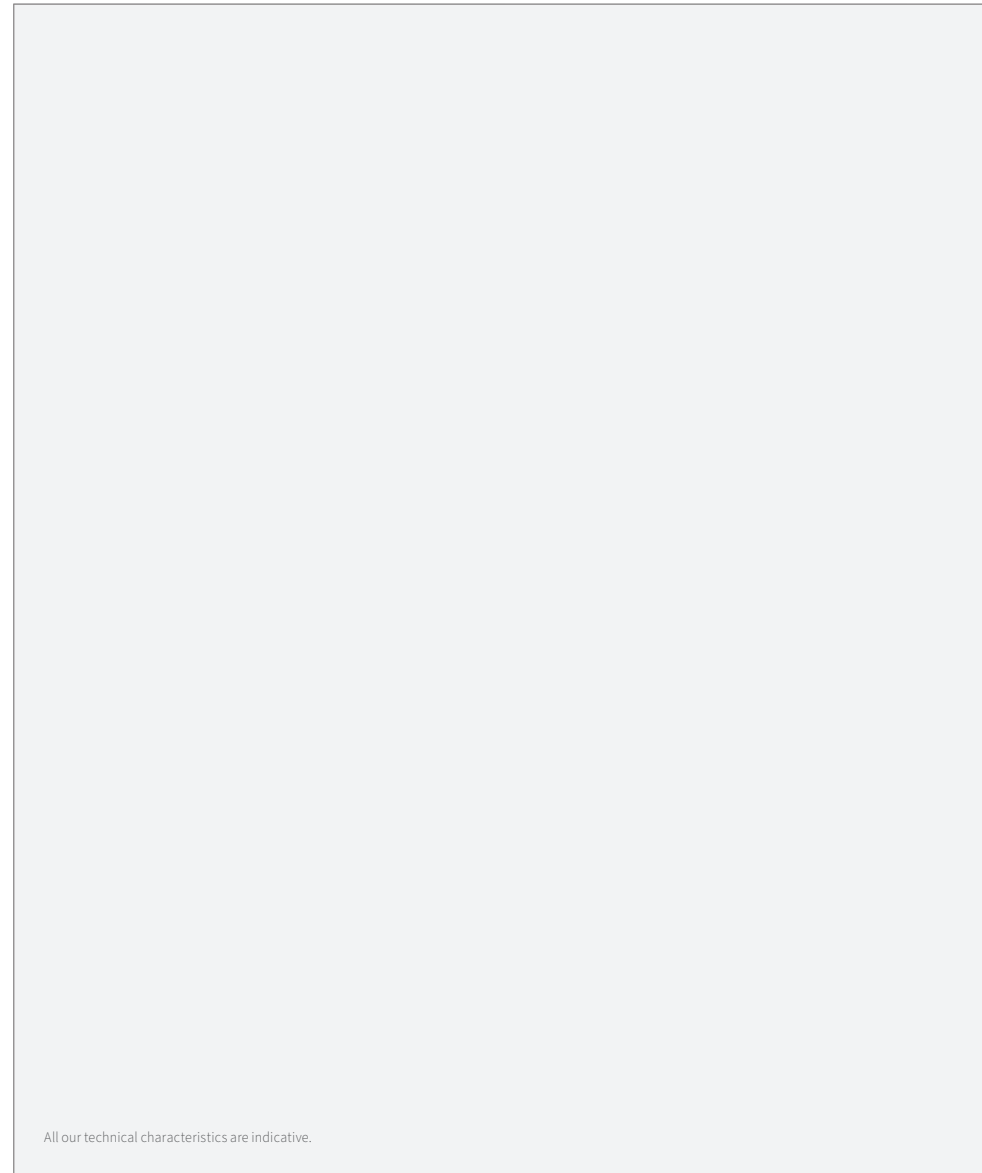
Warp DIN ISO 2075 • DIN ISO 2060
Polyester, 1100 dtex

Weft DIN ISO 2075 • DIN ISO 2060
Polyester, 1100 dtex

Warranty

10 years

Sample



Technical specifications

Breaking strength Warp	2900 N/5cm	EN ISO 1421/1 2016
Breaking strength Weft	2700 N/5cm	EN ISO 1421/1 2016
Tear strength Warp	300 N	DIN 53363 2003
Tear strength Weft	300 N	DIN 53363 2003
Adhesion	100 N/5cm	EN ISO 2411 2017
Temperature resistance	-30/+70 °C	DIN EN 1876/2 1998
Fire behaviour	M2	NF P 92 507 2004
	B1	DIN 4102: 1998
	PASS	BS7837 1996
	PASS	CALIFORNIA T19
	PASS	GOST
	TESTED	AS 1530.2
	PASS	NFPA 701
Reaction to fire	B-s2,d0	EN 13501-1 + A1 2009
Solar Transmission (Ts)	11 %	DIN EN 410
Visible light transmission (Tv)	10 %	EN 410
Solar Reflection (Rs)	78 %	DIN EN 410
UV Transmission	0 %	DIN EN 410
Solar Reflectance Index (SRI)	97	ASTM E 1980
Solar Factor (G value)	13 %	DIN EN 13363-1
U-Value (Vertical Airflow)	5,6 W/(m ² .K)	DIN EN ISO 6946
U-Value (Horizontal Airflow)	4,7 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

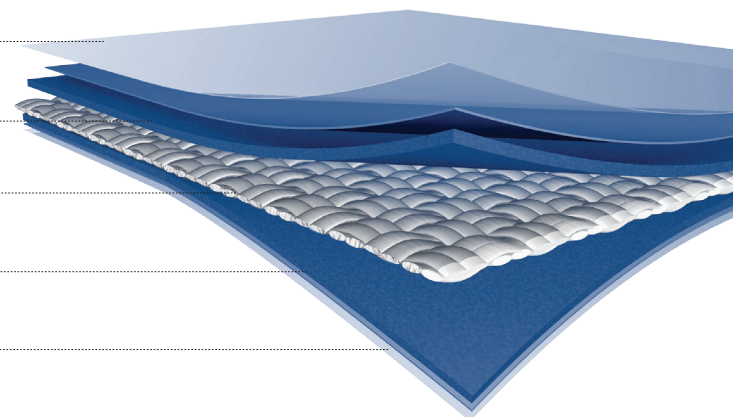
Surface treatment (front)
PVDF direct weldable (2 layers)

Base coating
Architectural PVC coating (2 layers)

Fabric
High tenacity PES low wick treated

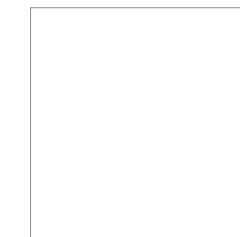
Base coating
Architectural PVC coating (2 layers)

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

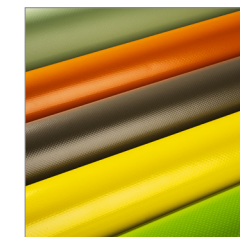


Colour

Other colours and widths on request.



9909 - White



On request

300 cm x100 lm - Standard

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

