



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.
Fabriekstraat 23 - 8850 Ardooie - Belgium - +32 (0) 51 740 900 - +32 (0) 51 740 964 - info@sioen.com - www.sioen.com

Basic properties

Total weight *DIN ISO 2286/2 1998*
900 g/m²

Composition
Polyester + Architectural PVC

Thickness *DIN 5084*
0,75 mm

Aspect embossing
Glossy

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

Composition

Fabric

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

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

Coating

Top: Architectural PVC
Bottom: Architectural PVC

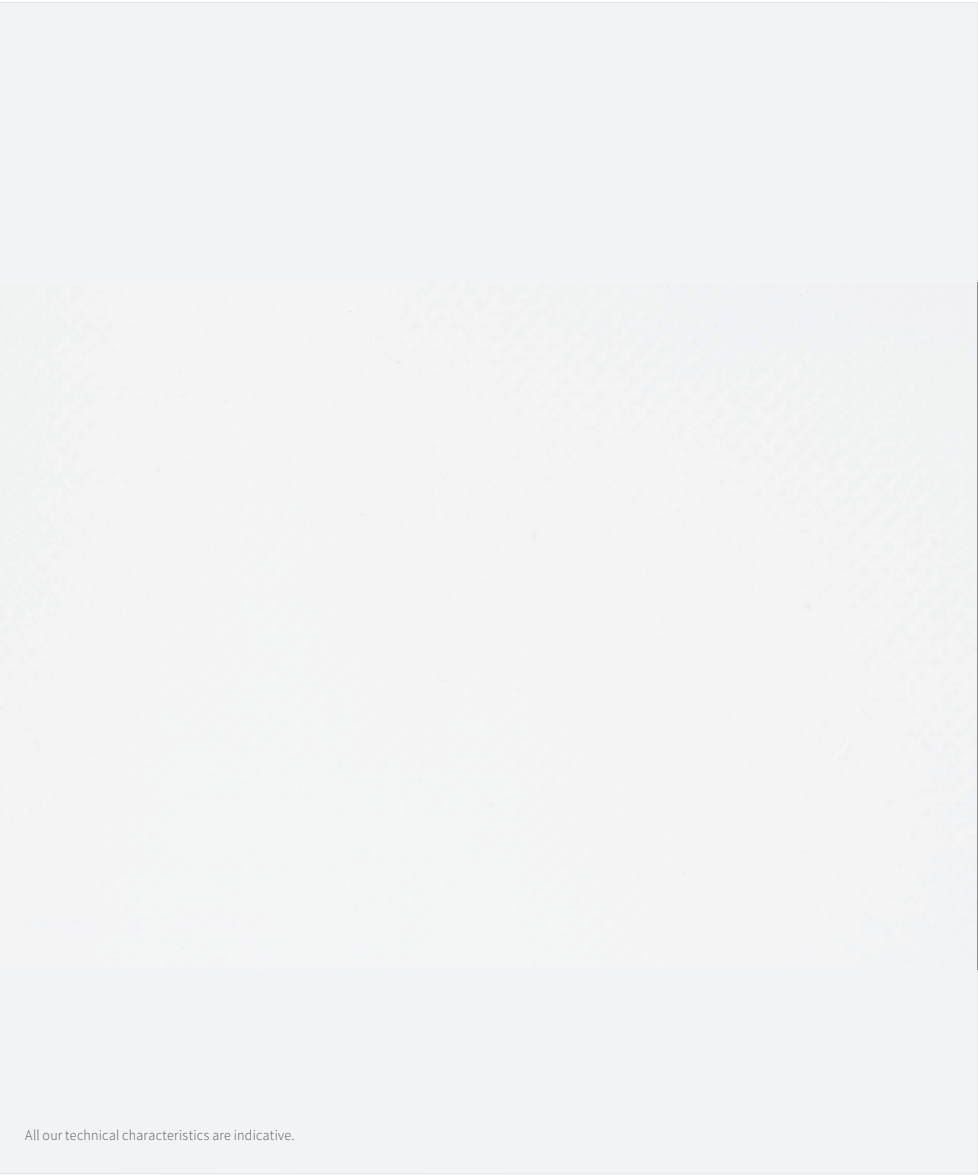
Surface treatment

Top: PVDF Fluomax
Bottom: PVDF Fluomax

Warranty

15 years

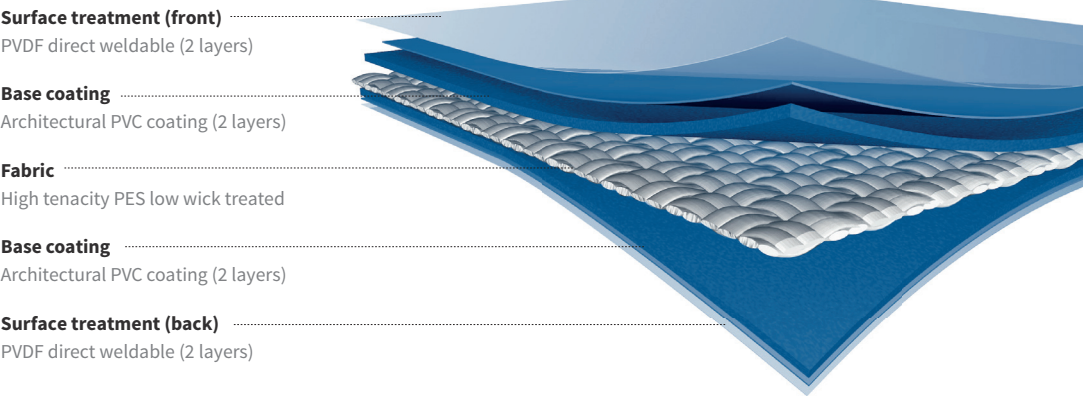
Sample



Technical specifications

Breaking strength Warp	4300 N/5cm	<i>EN ISO 1421/1 1998</i>
Breaking strength Weft	4200 N/5cm	<i>EN ISO 1421/1 1998</i>
Tear strength Warp	600 N	<i>DIN 53363 2003</i>
Tear strength Weft	500 N	<i>DIN 53363 2003</i>
Adhesion	120 N/5cm	<i>EN ISO 2411 2000</i>
Temperature resistance	-30/+70 °C	<i>DIN EN 1876/2 1998</i>
Fire behaviour	M2	<i>NF P 92 507 2004</i>
	B1	<i>DIN 4102 1998</i>
	TESTED	<i>AS 1530.2</i>
	PASS	<i>BS7837 1996</i>
	PASS	<i>CALIFORNIA T19</i>
	PASS	<i>GOST</i>
	PASS	<i>NFPA 701</i>
Reaction to fire	B-s2,d0	<i>EN 13501-1 + A1 2009</i>
Solar Transmission (Ts)	8,6 %	<i>DIN EN 410</i>
Visible light transmission (Tv)	7,4 %	<i>EN 410</i>
Solar Reflection (Rs)	81 %	<i>DIN EN 410</i>
UV Transmission (Tuv)	0 %	<i>DIN EN 410</i>
Solar Reflectance Index (SRI)	101	<i>ASTM E 1980</i>
Solar Factor (G value)	10 %	<i>DIN EN 13363-1</i>
U-Value (Vertical Airflow)	5,5 W/(m².K)	<i>DIN EN ISO 6946</i>
U-Value (Horizontal Airflow)	4,6 W/(m².K)	<i>DIN EN ISO 6946</i>
Flex resistance (x100.000 cycles)	NO CRACKS	<i>DIN 53359-A</i>
Fungal resistance	Degree 0, excellent	<i>ISO 846-A</i>

Technical drawing



Colours

Other colours and widths on request.



300 cm - Not Standard
* Min. order 1000 lm

300 cm - Standard

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

