



Sioen technical textiles for tensile architecture: Fluo²Max

The summit of elegance and unrevealed excellence. A piece of art where the fabric becomes the reflectance of its masters mind, carved to a piece of art which unifies with its surroundings breathing into the atmosphere by its humble beauty. A material designed with our **latest TiO₂ and PVDF technologies** for expression and creativity always being referred to by the coming generations.



Type 4 membrane for tensile architecture. TiO₂ and PVDF surface treatment for long lasting performance. 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



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*
1350 g/m²

Composition
Polyester + Architectural PVC

Composition

Lacquering
Top: titanium PVDF Fluomax
Bottom: PVDF Fluomax
Finishing: Glossy

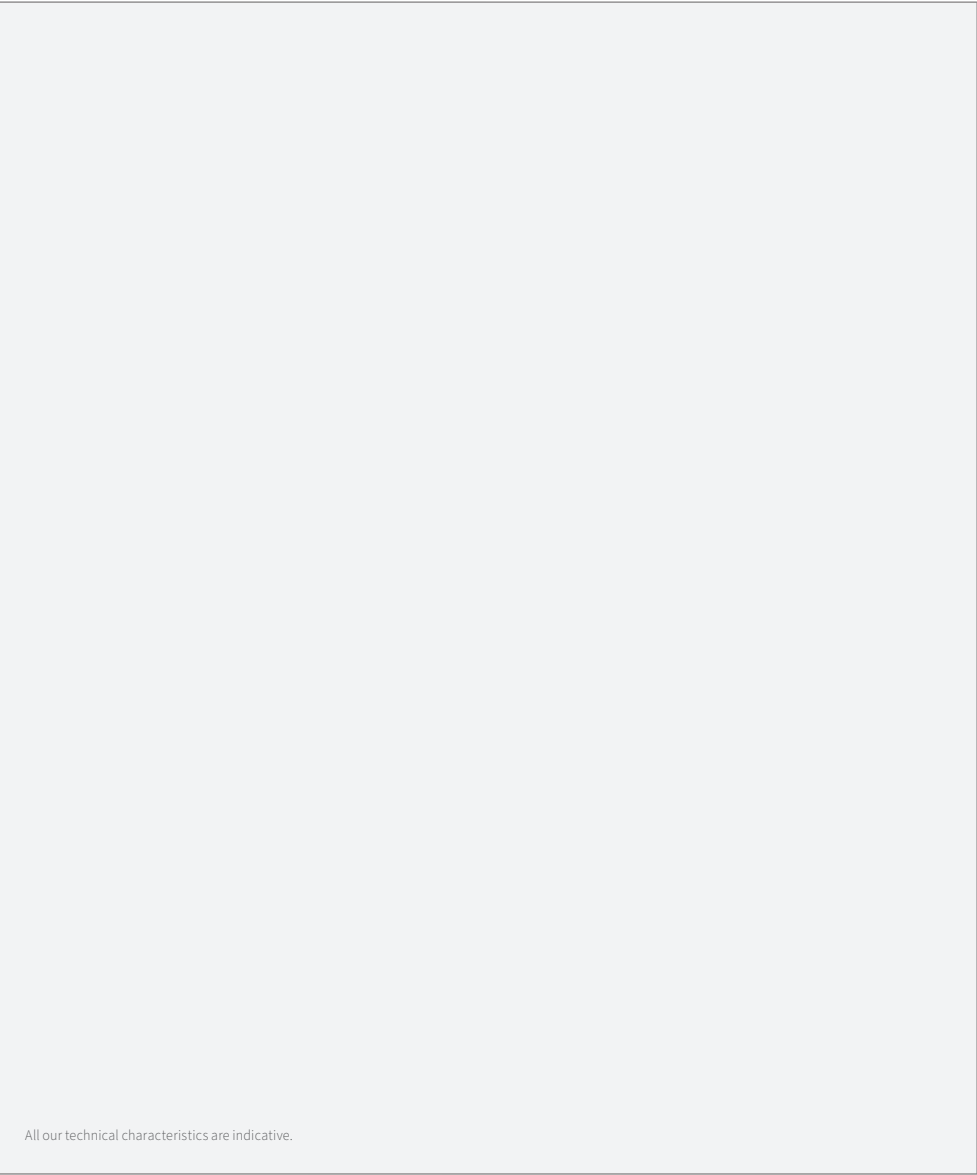
Fabric
Warp *DIN ISO 2075 • DIN ISO 2060*
Polyester, 1670 dtex

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

Warranty

20 years

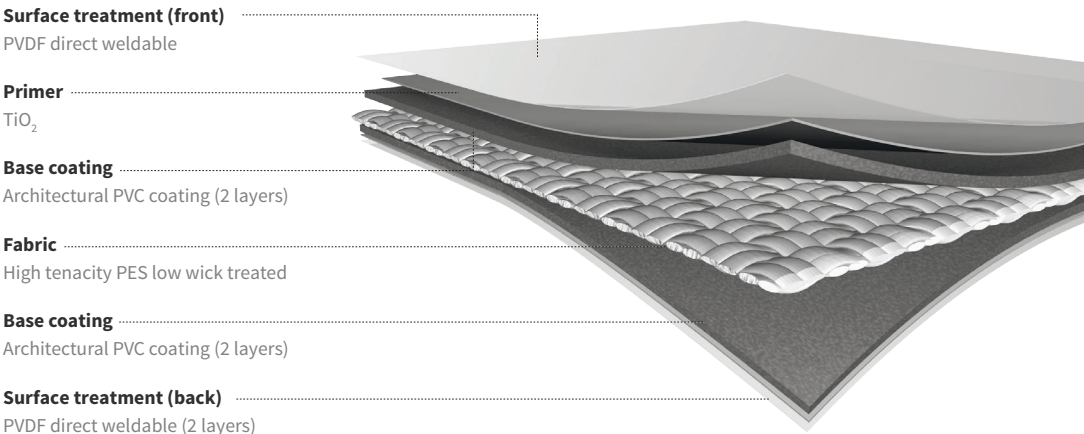
Sample



Technical specifications

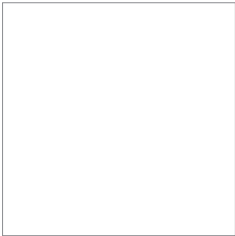
Breaking strength Warp	8000 N/5cm	EN ISO 1421/1 2016
Breaking strength Weft	7000 N/5cm	EN ISO 1421/1 2016
Tear strength Warp	1200 N	DIN 53363 2003
Tear strength Weft	1200 N	DIN 53363 2003
Adhesion	120 N/5cm	EN ISO 2411 2017
Temperature resistance	-30/+70 °C	DIN EN 1876/2 1998
Fire behaviour	B1	DIN 4102 : 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)	4,5 %	DIN EN 410
Visible light transmission (Tv)	4 %	EN 410
Solar Reflection (Rs)	83 %	DIN EN 410
UV Transmission	0 %	DIN EN 410
Solar Reflectance Index (SRI)	106	ASTM E 1980
Solar Factor (G value)	8 %	DIN EN 13363-1
U-Value (Vertical Airflow)	5,5 W/(m².K)	DIN EN ISO 6946
U-Value (Horizontal Aireflow)	4,6 W/(m².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



Colour

Other widths on request.



9922 - *White*

Not standard
250 cm

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

