

SIOEN

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.



SIOEN

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

FLUO² MAX™
TiO₂ + PVDF

T2118T

TENSILE ARCHITECTURE

Directly weldable PVC coated polyester fabric with TiO₂ and PVDF surface treatment for enhanced lifetime. Low Wick, Flame retardant, Anti-bacteria and UV treated.



SIOEN

Basic properties

Total weight *DIN ISO 2286/2 1998*
1050 g/m²

Composition
Polyester + Architectural PVC

Thickness *DIN 5084*
0,9 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

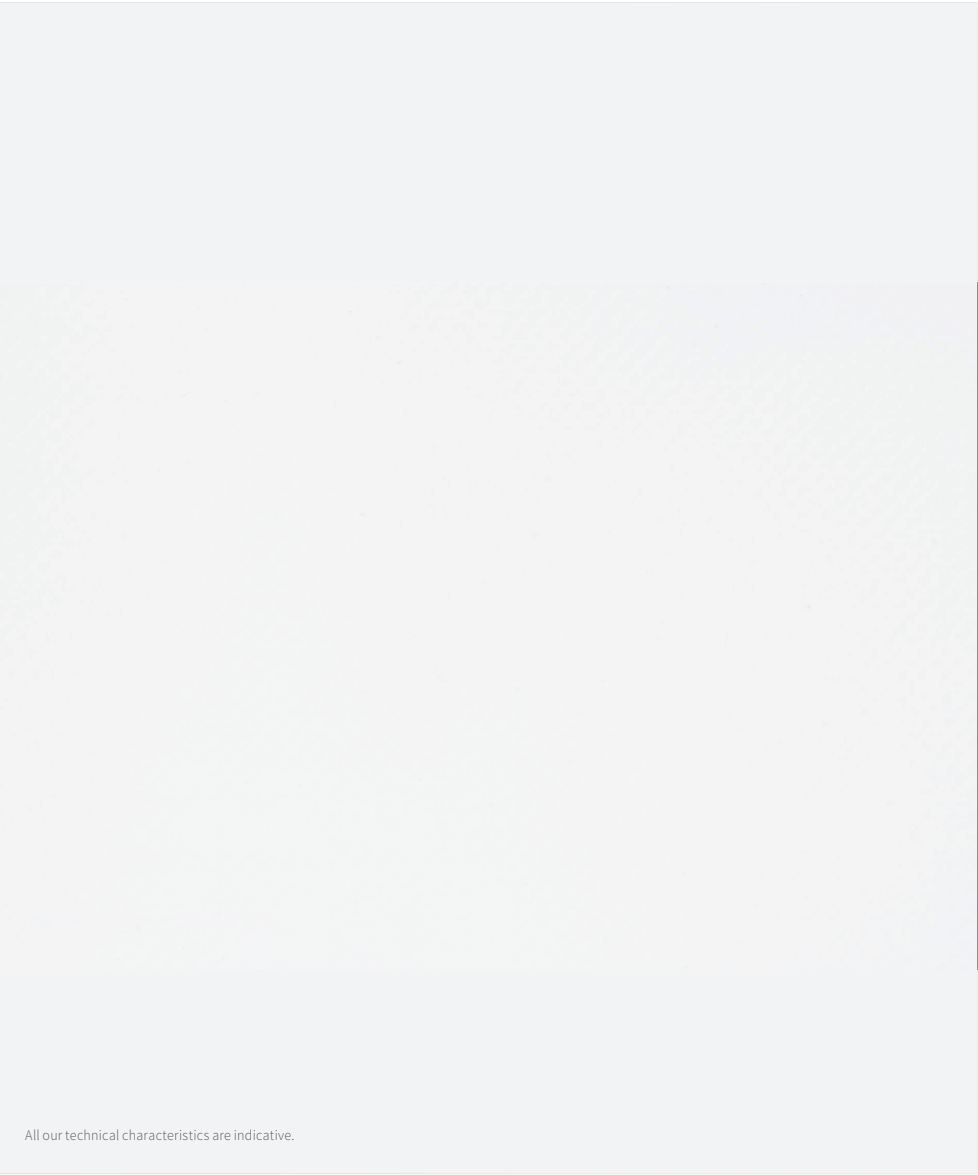
Surface treatment

Top: titanium PVDF fluomax
Bottom: PVDF Fluomax

Warranty

20 years

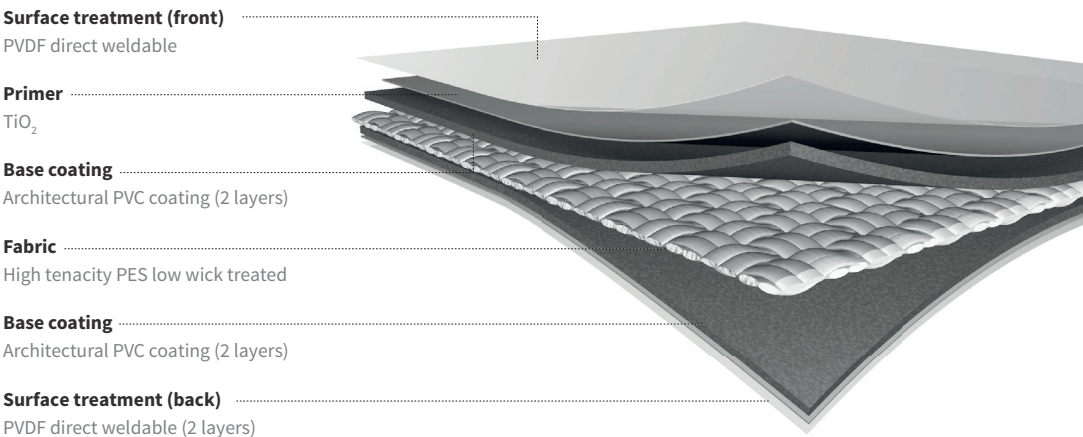
Sample



Technical specifications

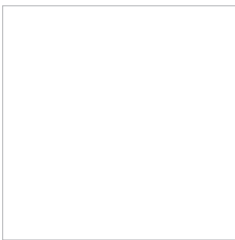
Breaking strength Warp	4300 N/5cm	<i>EN ISO 1421/1 1998</i>
Breaking strength Weft	4200 N/5cm	<i>EN ISO 1421/1 1998</i>
Tear strength Warp	600 N	<i>DIN 53363 2003</i>
Tear strength Weft	500 N	<i>DIN 53363 2003</i>
Adhesion	120 N/5cm	<i>EN ISO 2411 2000</i>
Temperature resistance	-30/+70 °C	<i>DIN EN 1876/2 1998</i>
Fire behaviour	M2	<i>NF P 92 507 2004</i>
	PASS	<i>BS7837 1996</i>
	B1	<i>DIN 4102 1998</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)	5,6 %	<i>DIN EN 410</i>
Visible light transmission (Tv)	4,7 %	<i>EN 410</i>
Solar Reflection (Rs)	83 %	<i>DIN EN 410</i>
UV Transmission (Tuv)	0 %	<i>DIN EN 410</i>
Solar Reflectance Index (SRI)	105	<i>ASTM E 1980</i>
Solar Factor (G value)	9 %	<i>DIN EN 13363-1</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



Colour

Other colours and widths on request.



9922 - *White*

300 cm - Standard

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

