






## Sioen technical textiles for tensile architecture: Fluo<sup>2</sup>Max

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 TiO<sub>2</sub> and PVDF technologies** for expression and creativity always being referred to by the coming generations.



TENSILE ARCHITECTURE

Type 2 membrane (900 g/m<sup>2</sup>) for tensile architecture. TiO<sub>2</sub> 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





## Basic properties

Total weight DIN ISO 2286/2 1998  
900 g/m<sup>2</sup>

Composition  
Polyester + Architectural PVC

## Composition

### Lacquering

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

### Fabric

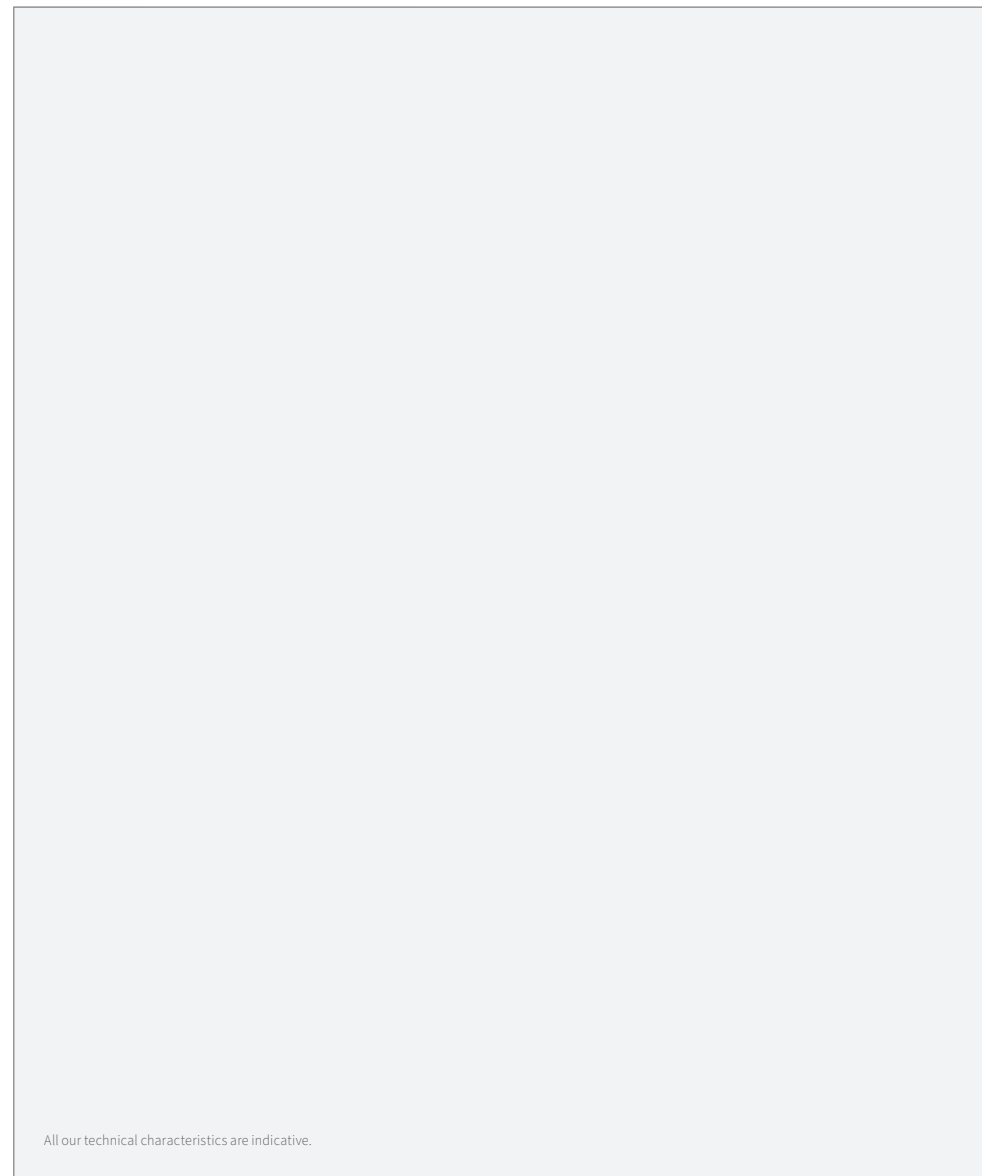
Warp DIN ISO 2075 • DIN ISO 2060  
Polyester, 1100 dtex

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

## Warranty

20 years

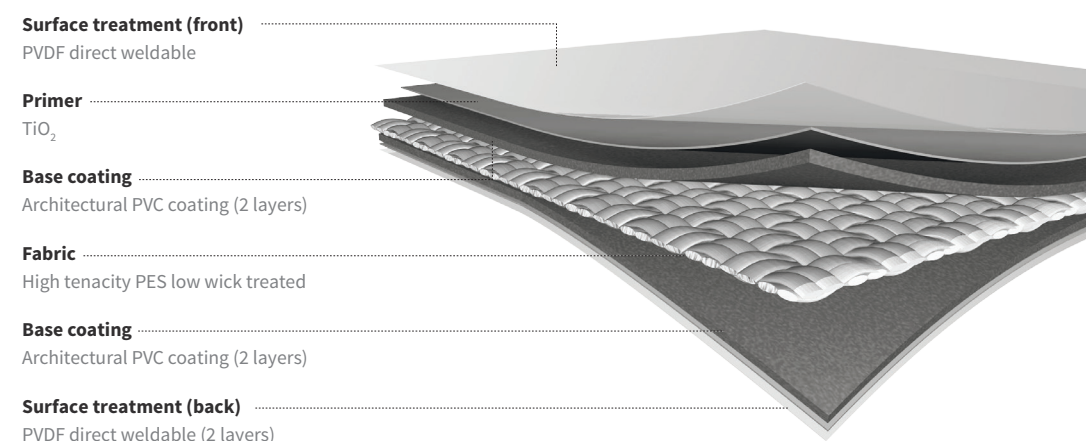
## Sample



## Technical specifications

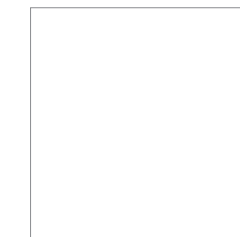
Breaking strength Warp	4300 N/5cm	EN ISO 1421/1 2016
Breaking strength Weft	4200 N/5cm	EN ISO 1421/1 2016
Tear strength Warp	600 N	DIN 53363 2003
Tear strength Weft	500 N	DIN 53363 2003
Adhesion	120 N/5cm	EN ISO 2411 2017
Temperature resistance	-30/+70 °C	DIN EN 1876/2 1998
Fire behaviour	M2	NF P 92 507 2004
	B1	DIN 4102 : 1998
	TESTED	AS 1530.2
	PASS	BS7837 1996
	PASS	CALIFORNIA T19
	PASS	GOST
	PASS	NFPA 701
Reaction to fire	B-s2,d0	EN 13501-1 + A1 2009
Solar Transmission (Ts)	7,4 %	DIN EN 410
Visible light transmission (Tv)	6,3 %	EN 410
Solar Reflection (Rs)	81 %	DIN EN 410
UV Transmission	0 %	DIN EN 410
Solar Reflectance Index (SRI)	103	ASTM E 1980
Solar Factor (G value)	11 %	DIN EN 13363-1
U-Value (Vertical Airflow)	5,5 W/(m <sup>2</sup> .K)	DIN EN ISO 6946
U-Value (Horizontal Airflow)	4,6 W/(m <sup>2</sup> .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

On request  
300 cm

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

