



## 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.



Textile Solution Provider - Go to [www.sioen.com](http://www.sioen.com) for more information.  
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FLUO<sup>2</sup> MAX<sup>TM</sup>  
TiO<sub>2</sub> + PVDF

T1117T

TENSILE ARCHITECTURE

Directly weldable PVC coated polyester fabric with TiO<sub>2</sub> 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*  
725 g/m²

Composition  
Polyester + Architectural PVC

Thickness *DIN 5084*  
0,6 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

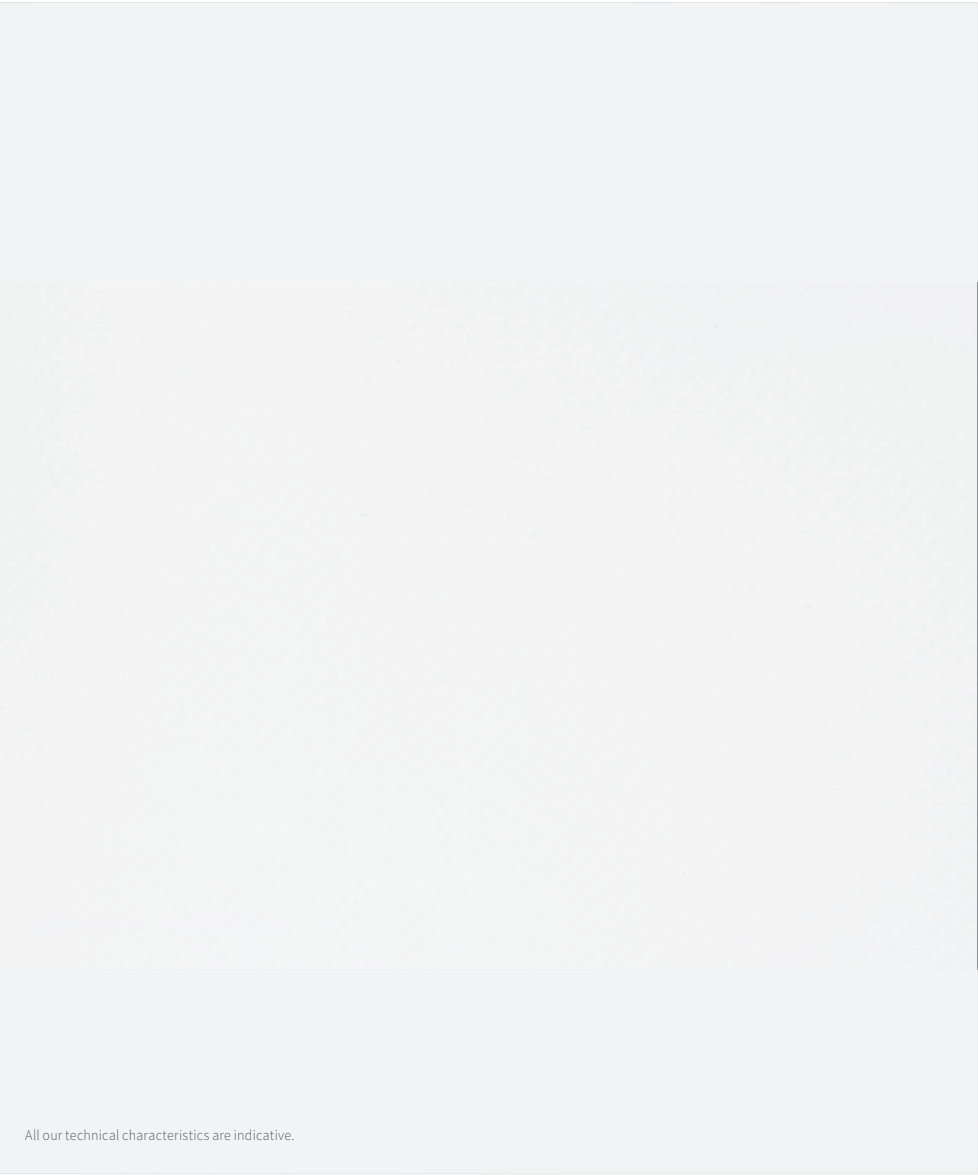
Surface treatment

Top: titanium PVDF fluomax  
Bottom: PVDF Fluomax

Warranty

15 years

Sample

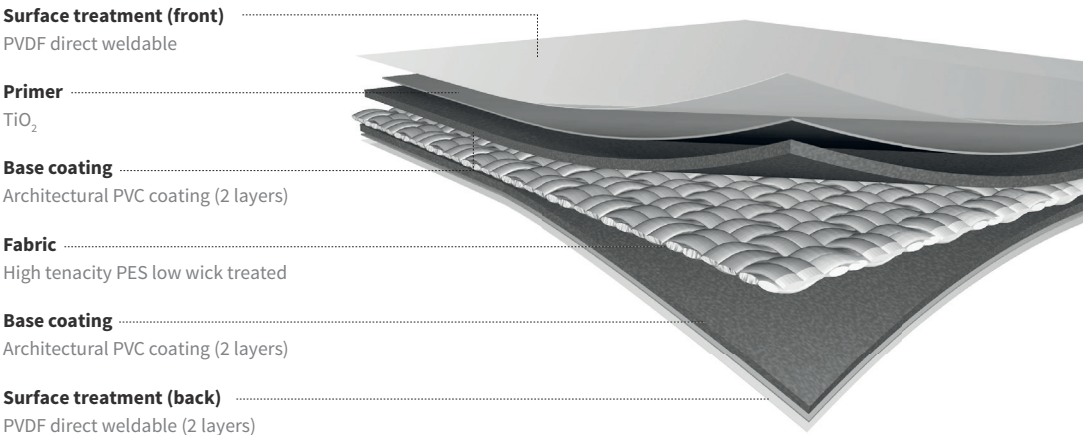


All our technical characteristics are indicative.

Technical specifications

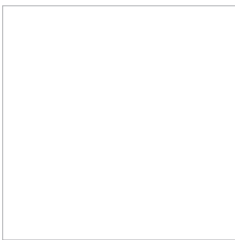
|                                   |                     |                             |
|-----------------------------------|---------------------|-----------------------------|
| Breaking strength Warp            | 3000 N/5cm          | <i>EN ISO 1421/1 1998</i>   |
| Breaking strength Weft            | 3000 N/5cm          | <i>EN ISO 1421/1 1998</i>   |
| Tear strength Warp                | 300 N               | <i>DIN 53363 2003</i>       |
| Tear strength Weft                | 300 N               | <i>DIN 53363 2003</i>       |
| Adhesion                          | 100 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)           | 8,5 %               | <i>DIN EN 410</i>           |
| Visible light transmission (Tv)   | 7,2 %               | <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)     | 102                 | <i>ASTM E 1980</i>          |
| Solar Factor (G value)            | 12 %                | <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 - Not Standard  
\* Min. order 1000 lm

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

