

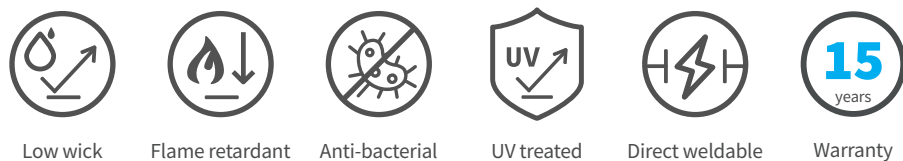


## Sioen technical textiles for tensile architecture: Fluomax

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.



Type 5 membrane for tensile architecture. Both side PVDF surface treatment for enhanced lifetime. Directly weldable for easy and efficient confectioning. Low Wick, Flame retardant, Anti-bacterial and UV treatment for excellent weathering resistance.



**Textile Solution Provider** - Go to [www.sioen.com](http://www.sioen.com) for more information.  
Fabriekstraat 23 - 8850 Ardooie - Belgium - +32 (0) 51 740 900 - +32 (0) 51 740 964 - [info@sioen.com](mailto:info@sioen.com) - [www.sioen.com](http://www.sioen.com)



Basic properties

Total weight *DIN ISO 2286/2 1998*  
1600 g/m²

Composition  
Polyester + Architectural PVC

Composition

Lacquering

Top: PVDF Fluomax  
Bottom: PVDF Fluomax  
Finishing: Glossy

Fabric

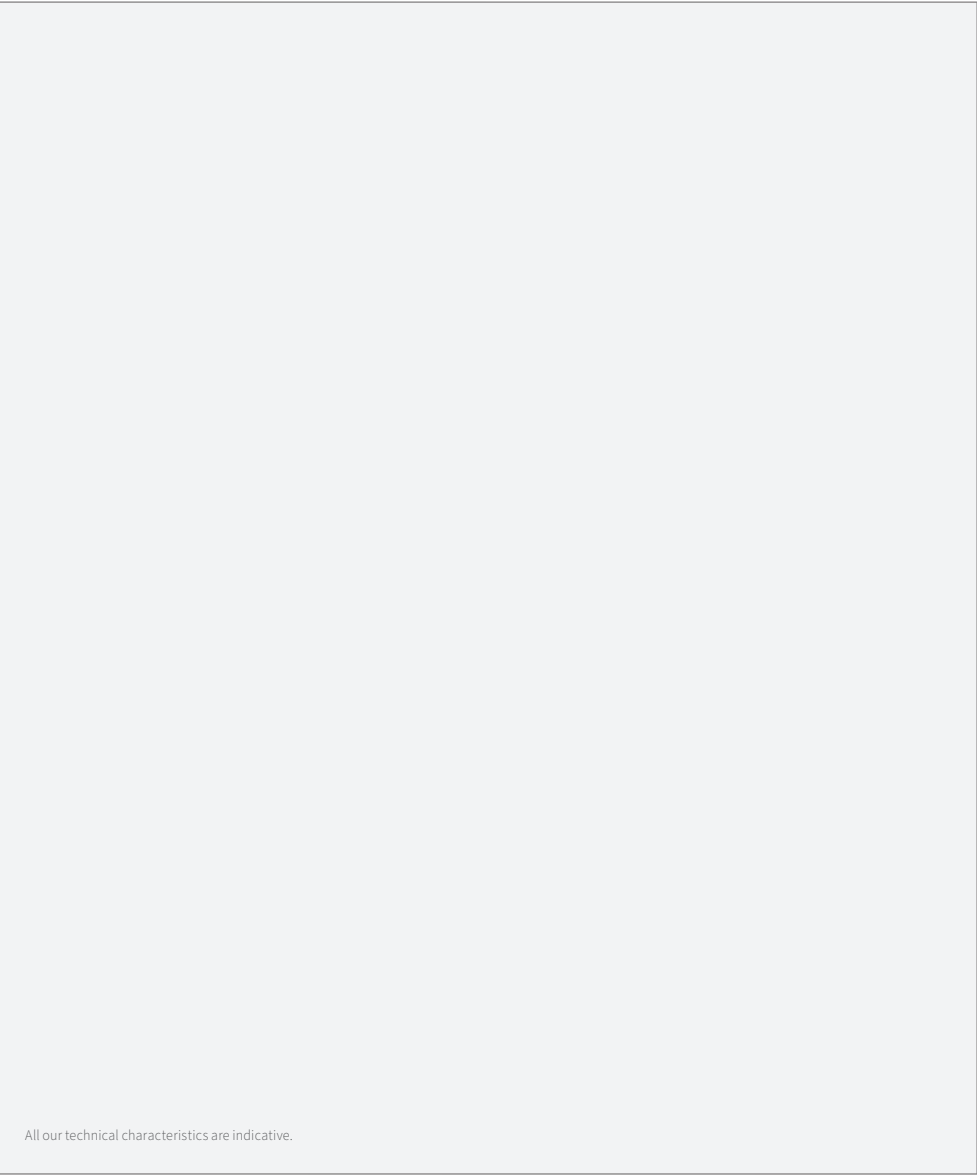
Warp *DIN ISO 2075 • DIN ISO 2060*  
Polyester, 2200 dtex

Weft *DIN ISO 2075 • DIN ISO 2060*  
Polyester, 2200 dtex

Warranty

15 years

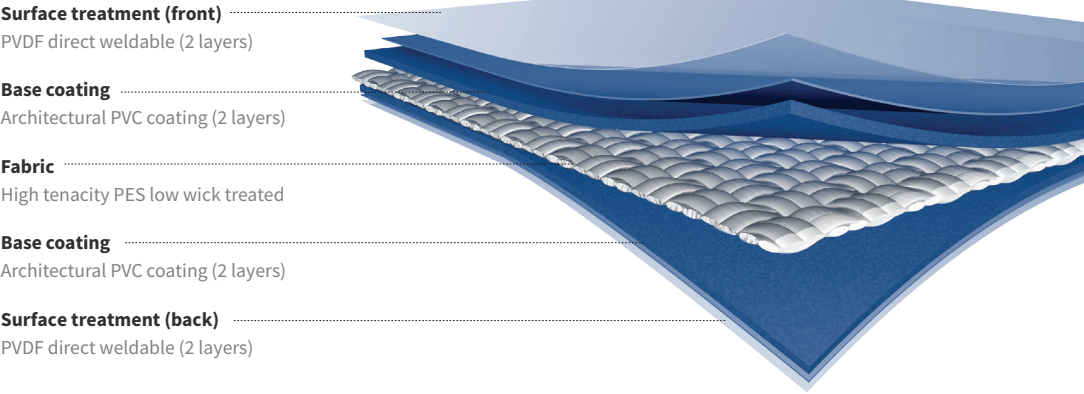
Sample



Technical specifications

|                                 |                     |                      |
|---------------------------------|---------------------|----------------------|
| Breaking strength Warp          | 10000 N/5cm         | EN ISO 1421/1 2016   |
| Breaking strength Weft          | 9000 N/5cm          | EN ISO 1421/1 2016   |
| Tear strength Warp              | 2000 N              | DIN 53363 2003       |
| Tear strength Weft              | 2000 N              | DIN 53363 2003       |
| Adhesion                        | 150 N/5cm           | EN ISO 2411 2017     |
| Temperature resistance          | -30/+70 °C          | DIN EN 1876/2 1998   |
| Fire behaviour                  | PASS                | BS7837 1996          |
|                                 | PASS                | CALIFORNIA T19       |
|                                 | PASS                | GOST                 |
|                                 | PASS                | NFPA 701             |
| Reaction to fire                | C-s3,d0             | EN 13501-1 + A1 2009 |
| Solar Transmission (Ts)         | 4 %                 | DIN EN 410           |
| Visible light transmission (Tv) | 1 %                 | EN 410               |
| Solar Reflection (Rs)           | 83 %                | DIN EN 410           |
| UV Transmission                 | 0 %                 | DIN EN 410           |
| Solar Reflectance Index (SRI)   | 102                 | ASTM E 1980          |
| Flex resistance (Tuv)           | NO CRACKS           | DIN 53359-A          |
| Fungal resistance               | Degree 0, excellent | ISO 846-A            |

Technical drawing



Colour

Other colours and widths on request.



On request  
250 cm

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

