

Longevity and  
easy maintenance



# Flexlight

## Advanced 1502 S2

### Main applications

- Covered outdoors
- Sport hall roofs
- Shading structures

### Major advantages

- Long lasting and low maintenance
- Controlled color per translucency (VISU service)
- High dimensional stability due to Précontraint® technology

	■ Technical specifications	Standards
Surface treatment (top/back)	S2 PVDF / PVDF	
Yarn	High tenacity Polyester 1670/2200 Dtex Low wick treatment for anticapillarity	
Weight	1500 g/m <sup>2</sup>	EN ISO 2286-2
Width	180 cm	

	■ Physical properties	
Tensile strength (warp/weft)	1000 / 800 daN/5 cm	EN ISO 1421
Tear resistance (warp/weft)	160 / 140 daN	DIN 53.363
Adhesion	15 daN/5 cm	EN ISO 2411

> The technical data here above are average values with +/-5% tolerance

	■ Flame retardancy	
Euroclass DIN standard	<b>C-s2,d0</b> <b>B1</b>	EN 13501-1 DIN 4102-1

> Other fire certificates available on demand

	■ Thickness and dimensional stability	
Thickness	1.14 mm	
Elongation 24 h -10 daN/5 cm (warp/weft)	< 1.2% / < 1.2%	EN 15977
Residual elongation	< 0.5% / < 0.5%	EN 15977

	■ Thermal and acoustic performances	
Heat transfer coefficient (vertical/horizontal)	U = 5.6 / 6.4 W / sqm / °C	Calculated
Acoustic weakening index	16 dBA	ISO 140-3 & ISO 717-1

	■ Solar optical values	
Visible light Transmittance (Tv)	7 %	NFP 38511
	3 %	EN 410
Visible light Reflexion (Rv)	89%	EN 410
Solar Transmittance (Ts)	4%	
Solar Reflexion (Rs)	81%	
Solar factor (g)	8%	
UV transmittance	0%	
Solar Reflectance Index (SRI)	90.1%	ASTM E1980-01 (approach II)

	■ Certifications, labels, guarantees, recycling
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**ISO 9001**  
**ISO 14001**



**Precontraint**  
**technology**

**15-year**  
**warranty**

**CSR and LEED reports**  
**available on request**

The buyer of our products is fully responsible for their application and their transformation with regard to any possible third party. The buyer of our products is responsible for their implementation and installation according to the standards, workmanship and safety regulations in force in destination countries. For information on our contractual warranty, please refer to the relevant terms and conditions. The values quoted above represent results of tests performed in compliance with common design practices and are provided for information only to enable customers to make the best use of our products. Our products are subject to changes based on technical advances and we reserve the right to modify their characteristics at any time. The buyer of our products is responsible for checking the validity of the above data.

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lightweight + durable

Serge Ferrari SAS  
+33 (0)4 74 97 41 33  
sergeferrari.com

