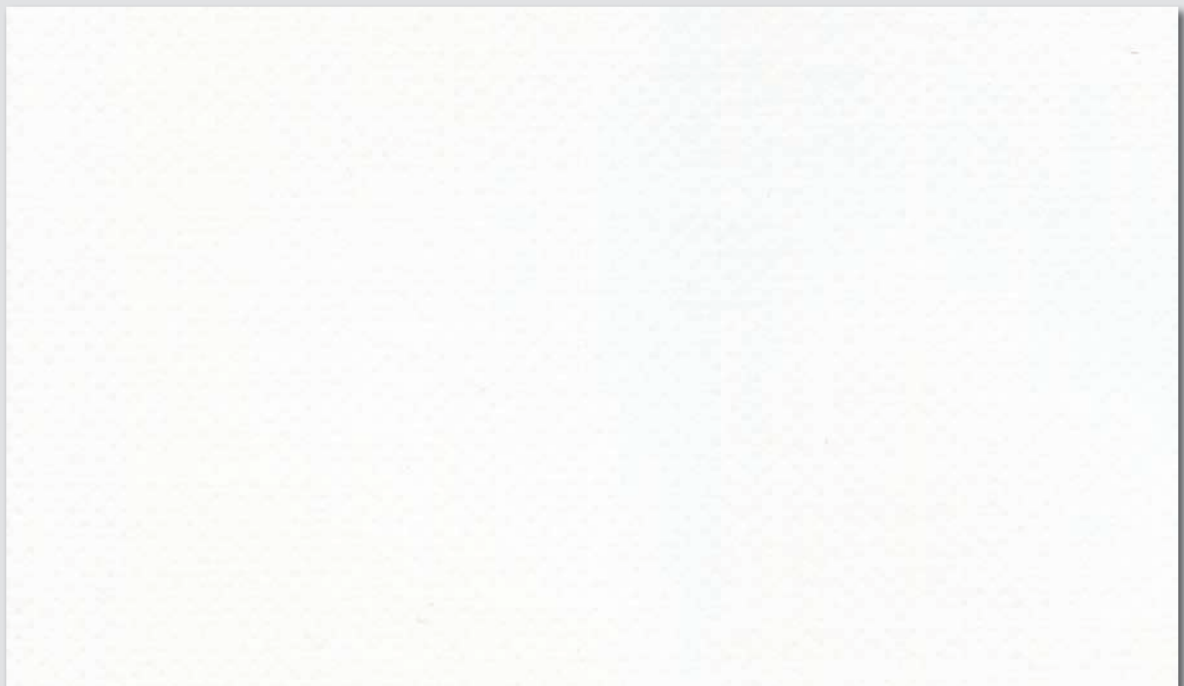


# PRECONTRAIN

902 S2



902-8636 S2

Technical properties	Précontraint 902 S2	Standards
Application	Mobile or permanent structures	
Surface treatment	PVDF	
Making up	Weldable	
Yarn	PES HT 1100 Dtex	
Weight	950 g/sqm • 28 oz/sqyd	EN ISO 2286-2
Total thickness	0.72 mm	
Width	267 cm • 105.1 in	(+1mm /-1mm)
Tensile strength (warp/weft)	420/400 daN/5cm 480/450 lbs/in	EN ISO 1421 ASTM D 751-00 Cut Strip
Tear resistance (warp/weft)	55/50 daN 105/100 lbs	DIN 53.363 ASTM D 751-00 Trapezoid
Adhesion	12 daN/5cm	EN ISO 2411
<b>Flame retardancy</b>		
Euroclass	<b>B-s2,d0</b> /EN 13501-1	
Rating	<b>M2/NFP 92-507 • B1/DIN 4102-1 • Test 2/NFPA 701 • CSMF T19</b>	
<b>Guarantee*</b>		



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

Longevity				
Coating thickness at the top of the yarns	300 microns			
Varnish adhesion longevity	QUV A 4000 h	pass	Scotch tape test	
Solar optical values				
Solar Transmittance (Ts)	7%		EN 410	
Solar reflectance (Rs)	75%		80%	
Solar Factor (g)	11.5%		12.5%	
Visible light Transmittance (Tv)	--		5%	
Visible light Reflectance (Rv)	--		88%	
UV transmission			0%	
Visible light Transmittance (Tv)		9%		NFP 38511 (diffus-diffus)
Global thermal conductivity**				
Vertical / Horizontal position	U= 5.6 / 6.4 W/sqm/°C			
Acoustic performance				
Weakening index	13dBA		ISO 717-1	
LEED Heat island Effect				
Non roof (up to 2 pts)	Solar Reflectance Index >95%		SSc 7.1	
Roof (up to 1 pt)	Solar Reflectance Index >95%		SSc 7.2/GIB C9 (ND)	
Environmental Impact: LCA (Life Cycle Assessment)				
Comparative analysis depending on end-of-life scenarios	Texyloop® Recycling	Incineration	Landfill	Functional unit = 1 sqm Material only / 902 S2 values
Resources depletion	0.032	0.133	0.133	Kilograms eq. Sb
Global warming	2.33	4.23	3.65	Kilograms eq. CO <sub>2</sub>
Energy consumption	59.1	95.5	95.5	Megajoul eq.
Water consumption	149.3	310.1	308.6	Litre
Management systems				
Quality in conformity with				ISO 9001
Environmental communication in conformity with				ISO 14021
Certifications, labels, recycling capacity				



LCA and LEED reports available on request

> The values here above are given as an indication in order to allow our customers to make the best use of our products. Our products are subjects to evolutions due to technical progress, we remain entitled to modify the characteristics of our products at any time. The buyer of our products is responsible to check that the here above data are still valid.

\* Warranty: Please refer to the text of our warranty. The warranty is valid only after confirmation on case-by-case basis of warranty application. The warranty will not apply to mobile structures.  
\*\* Those data are obtained by calculation through simulations of the average conditions of use, those values must be considered as approximation.

The buyer of our products is fully responsible for their application or their transformation concerning any possible third party. The buyer of our products is responsible for their implementation and installation according to the standards, use and customs and safety rules of the countries where they are used.

## → Contact

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- Your local representative:  
[www.sergeferrari.com](http://www.sergeferrari.com)

## → TEXYLOOP®

- The Serge Ferrari operational recycling chain
- Secondary raw materials of high intrinsic value compatible with multiple processes
- A quantified response to combat depletion of natural resources

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