

PRECONTRAIN

1302 S2



1302-8636 S2

Serge Ferrari 

PRECONTRAI

1302 S2

Technical properties	Précontraint 1302 S2	Standards
Surface treatment (top/back)	S2 PVDF / PVDF	
Yarn	PES HT 1100/2200 Dtex	
Weight	1350 g/sqm • 39.8 oz/sqyd	EN ISO 2286-2
Width	267 cm • 105.1 in	(+1mm /-1mm)
Tensile strength (warp/weft)	800/700 daN/5cm 900/800 lbs/in	EN ISO 1421 ASTM D 751-00 Cut Strip
Tear resistance (warp/weft)	120/110 daN 200/180 lbs	DIN 53.363 ASTM D 751-00 Trapezoid
Adhesion	13 daN/5cm	EN ISO 2411
Flame retardancy		
Euroclass	C-s2,d0 /EN 13501-1	
Rating	B1 /DIN 4102-1 • BS 7837 • Test2 /NFPA 701 • CSMF T19	
Warranty*		



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

ADDITIONAL INFORMATION				
Total thickness	1.02 mm			
Coating thickness at the top of the yarns	250/250 microns			
Varnish adhesion longevity	QUV A 4000 h	pass	Scotch tape test	
Dimensional stability				
Elongation 24h -10daN/5cm (warp/weft)	<1% / <1%			EN 15977
Residual elongation	<0.4% / <0.4%			EN 15977
Solar optical values				
	ASHRAE 74-1988	EN 410		
Solar Transmittance (Ts)	5%	4.5%		
Solar reflectance (Rs)	76%	78%		
Solar Factor (g)	10%	8.5%		
Visible light Transmittance (Tv)	--	3%		
Visible light Reflectance (Rv)	--	86%		
UV transmission			0%	
Thermal and Acoustic performances				
Thermal conductivity (vertical/horizontal)	ca. U=5.6 / 6.4 W/sqm/°C			Calculated
Acoustic Weakening index	ca. 15dB A			ISO 717-1
LEED Heat island Effect				
Solar Reflectance Index	SRI >95%			SSc 7.2/SSc 7.1 (Roof/Non Roof)
Environmental Impact: LCA (Life Cycle Assessment)				
Comparative analysis depending on end-of-life scenarios	Texyloop® Recycling	Incineration	Landfill	1 sqm membrane
Global warming	3.185	6.115	5.274	Kilograms eq. CO ₂
Energy consumption	70.95	132.9	132.9	Megajoul eq.
Water consumption	161.9	406.2	404	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

> **ADDITIONAL INFORMATION** above are non-contractual and 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. 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

- Headquarters: + 33 (0)4 74 97 41 33
- Your local representative:
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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