

# PRECONSTRAINT

1502 S2 & 1502 FLUOTOP T2



1502-8626 S2



1502-1746 T2

Technical properties	Précontraint 1502 S2	Précontraint 1502 Fluotop T2	Standards
Application	Mobile or permanent structures	<b>Tropical climate</b> , static and permanent structures	
Surface treatment (top/back)	PVDF / PVDF	HIGH CONCENTRATION PVDF / PVDF	
Making up	Weldable	Weldable after top surface abrasion	
Yarn	PES HT 1670/2200 Dtex	PES HT 1670/2200 Dtex	
Weight	1500 g/sqm • 44.2 oz/sqyd	1500 g/sqm • 44.2 oz/sqyd	EN ISO 2286-2
Total thickness	1.14 mm	1.14 mm	
Width	180 cm • 70.86 in	178 cm • 70.08 in	(+1mm /-1mm)
Tensile strength (warp/weft)	1000/800 daN/5cm 1150/900 lbs/in	1000/800 daN/5cm 1150/900 lbs/in	EN ISO 1421 ASTM D 751-00 Cut Strip
Tear resistance (warp/weft)	160/140 daN 240/200 lbs	160/140 daN 240/200 lbs	DIN 53.363 ASTM D 751-00 Trapezoid
Adhesion	15 daN/5cm	15 daN/5cm	EN ISO 2411
<b>Flame retardancy</b>			
Euroclass	<b>C-s2,d0</b> /EN 1350-1	<b>C-s2,d0</b> /EN 1350-1	
Rating	<b>B1</b> /DIN 4102-1 • BS 7837 • CSMF T19		
<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		300 microns	
Varnish adhesion longevity	QUV A 4000 h	pass	QUV A 4000 h	pass
White color evolution	QUV A 4000 h	ΔE = 5.5	QUV A 4000 h	ΔE = 3.5
Micro organism resistance **	--		Method A: degree 0, excellent	EN ISO 846-A
Solar optical values				
	ASHRAE	EN 410	ASHRAE	EN 410
Solar Transmittance (Ts)	4%	4%	5%	4%
Solar reflectance (Rs)	76%	81%	76%	76%
Solar Factor (g)	9%	8%	10%	8%
Visible light Transmittance (Tv)	--	2.4%	--	3%
Visible light Reflectance (Rv)	--	89%	--	83%
UV transmission		T-UV 0%		T-UV 0%
Visible light Transmittance (Tv)	5.5%		6%	NFP 38511 (diffus-diffus)
Global thermal conductivity***				
Vertical / Horizontal position	U= 5.6 / 6.4 W/sqm/°C		U= 5.6 / 6.4 W/sqm/°C	
Acoustic performance				
Weakening index	16dBA		16dBA	
			ISO 717-1	
LEED Heat island Effect				
Non roof (up to 2 pts)	Solar Reflectance Index >95%		Solar Reflectance Index >95%	
Roof (up to 1 pt)	Solar Reflectance Index >95%		Solar Reflectance Index >95%	
			SSc 7.1	
			SSc 7.2/GIB C9 (ND)	
Environmental Impact: LCA (Life Cycle Assessment)				
	ISO 14041-44			
Comparative analysis depending on end-of-life scenarios	Texyloop® Recycling	Incineration	Landfill	Functional unit = 1 sqm Material only / 1502 S2 values
Resources depletion	0.029	0.184	0.184	Kilograms eq. Sb
Global warming	3.389	6.636	5.725	Kilograms eq. CO <sub>2</sub>
Energy consumption	73.6	144.6	144.6	Megajoul eq.
Water consumption	168.8	433.9	431.5	Litre
Management systems				
Quality in conformity with				ISO 9001
Environmental communication in conformity with				ISO 14021
Certifications, labels, recycling capacity				



LCA and LEED reports (S2 and T2) 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.

\*\* See long term case studies in tropical climate (Longevity & sustainability brochure).

\*\*\* 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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## → 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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