

# PRECONSTRAINT

1302 S2 & 1302 FLUOTOP T2



1302-8626 S2



1302-1746 T2

Technical properties	Précontraint 1302 S2	Précontraint 1302 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 1100/2200 Dtex	PES HT 1100/2200 Dtex	
Weight	1350 g/sqm • 39.8 oz/sqyd	1350 g/sqm • 39.8 oz/sqyd	EN ISO 2286-2
Total thickness	1.02 mm	1.02 mm	
Width	180 cm • 70.86 in	178 cm • 70.08 in	(+1mm/-1mm)
Tensile strength (warp/weft)	800/700 daN/5cm 900/800 lbs/in	800/700 daN/5cm 900/800 lbs/in	EN ISO 1421 ASTM D 751-00 Cut Strip
Tear resistance (warp/weft)	120/110 daN 165/155 lbs	120/110 daN 165/155 lbs	DIN 53.363 ASTM D 751-00 Trapezoid
Adhesion	13 daN/5cm	13 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 • <b>Test2</b> /NFPA 701 • 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
<b>Solar optical values</b>				
	ASHRAE	EN 410	ASHRAE	EN 410
Solar Transmittance (Ts)	5%	4.5%	5%	5%
Solar reflectance (Rs)	76%	78%	76%	78%
Solar Factor (g)	10%	8.5%	10%	9%
Visible light Transmittance (Tv)	--	3%	--	3.5%
Visible light Reflectance (Rv)	--	86%	--	85%
UV transmission		T-UV 0%		T-UV 0%
Visible light Transmittance (Tv)	5.5%		6%	NFP 38511 (diffus-diffus)
<b>Global thermal conductivity***</b>				
Vertical / Horizontal position	U= 5.6 / 6.4 W/sqm/°C		U= 5.6 / 6.4 W/sqm/°C	
<b>Acoustic performance</b>				
Weakening index	15dBA		15dBA	
<b>LEED Heat island Effect</b>				
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%	
<b>Environmental Impact: LCA (Life Cycle Assessment)</b>				
Comparative analysis depending on end-of-life scenarios	Texyloop® Recycling	Incineration	Landfill	ISO 14041-44
Resources depletion	0.029	0.174	0.174	Functional unit = 1 sqm Material only / 1302 S2 values
Global warming	3.185	6.115	5.274	Kilograms eq. CO <sub>2</sub>
Energy consumption	70.95	132.9	132.9	Megajoult eq.
Water consumption	161.9	406.2	404	Litre
<b>Management systems</b>				
Quality in conformity with				ISO 9001
Environmental communication in conformity with				ISO 14021
<b>Certifications, labels, recycling capacity</b>				



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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