

PRECONSTRAINT

1002 S2 & 1002 FLUOTOP T2



1002-8626 S2



1002-1746 T2

Technical properties	Précontraint 1002 S2	Précontraint 1002 Fluotop T2	Standards
Application	Mobile or permanent structures	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 Dtex	PES HT 1100 Dtex	
Weight	1050 g/sqm • 31 oz/sqyd	1050 g/sqm • 31 oz/sqyd	EN ISO 2286-2
Total thickness	0.78 mm	0.78 mm	
Width	180 cm • 70.86 in	178 cm • 70.08 in	(+1mm /-1mm)
Tensile strength (warp/weft)	420/400 daN/5cm 480/450 Lbs	420/400 daN/5cm 480/450 Lbs	EN ISO 1421 ASTM D 751-00 Cut Strip
Tear resistance (warp/weft)	55/50 daN 105/100 Lbs/in	55/50 daN 105/100 Lbs/in	DIN 53.363 ASTM D 751-00 Trapezoid
Adhesion	12 daN/5cm	12 daN/5cm	EN ISO 2411
Flame retardancy			
Euroclass	B-s2,d0 /EN 1350-1	B-s2,d0 /EN 1350-1	
Rating	M2/NFP 92-507 • B1/DIN 4102-1 • BS 7837 • Test2/NFPA 701 • CSMF T19		
Guarantee*			



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

Longevity				
Coating thickness at the top of the yarns	350 microns		350 microns	
Varnish adhesion longevity	QUV A 4000 h	pass	QUV A 4000 h	pass
Micro organism resistance	Method A: degree 0, excellent		Method A: degree 0, excellent	
				Scotch tape test
				EN ISO 846-A
Solar optical values	ASHRAE	EN 410	ASHRAE	EN 410
Solar Transmittance [Ts]	6%	5.5%	6%	6%
Solar reflectance [Rs]	78%	81.5%	78%	82%
				ASHRAE 74-1988
Solar Factor [g]	12%	9%	12%	9.5%
				EN 410
Visible light Transmittance [Tv]	--	4%	--	4.5%
Visible light Reflectance [Rv]	--	91%	--	91.5%
Visible light Transmittance		8%		8.5%
				NFP 38511 (diffus-diffus)
UV transmission	T-UV 0%		T-UV 0%	
				EN 410
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	14dBA		14dBA	
				ISO 717-1
LEED Heat island Effect				
Non roof (up to 2 pts)	Solar Reflectance Index >95%		Solar Reflectance Index >95%	
				SSc 7.1
Roof (up to 1 pt)	Solar Reflectance Index >95%		Solar Reflectance Index >95%	
				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 / 1002 S2 values
Resources depletion	0.024	0.151	0.151	Kilograms eq. Sb
Global warming	2.572	4.757	4.104	Kilograms eq. CO2
Energy consumption	59.7	103.3	103.3	Megajoul eq.
Water consumption	139.6	341.3	339.6	Litre
Management systems				
Quality in conformity with				ISO 9001
Environmental communication in conformity with				ISO 14021
Certifications, labels, recycling capacity				



LCA and LEED reports (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.
** 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

- Headquarters:
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- 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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