PRECONTRAINT

702 S2 & 702 FLUOTOP T2

702-8604 **S2**

702-1746 **T2**

Serge Ferrari

Technical properties	Précontraint 702 S2	Précontraint 702 Fluotop T2	Standards
Application	Mobile or permanent structures	**Tropical climate,** 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	750 g/sqm • 22.1 oz/sqyd	750 g/sqm • 22.1 oz/sqyd	EN ISO 2286-2
Total thickness	0.60 mm	0.56 mm	
Width	250-267 cm • 98.4-105.1 in	178 cm • 70.08 in	(+1mm /-1mm)
Tensile strength (warp/weft)	280/280 daN/5cm 320/320 lbs/in	300/280 daN/5cm 340/320 lbs/in	EN ISO 1421 ASTM D 751-00 Cut Strip
Tear resistance (warp/weft)	30/28 daN 85/80 lbs	30/28 daN 85/80 lbs	DIN 53.363 ASTM D 751-00 Trapezoid
Adhesion	10 daN/5cm	10 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	240 microns		240 microns		
Varnish adhesion longevity	QUV A 4000 h	pass	QUV A 4000 h	pass	Scotch tape test
White color evolution	QUV A 4000 h	ΔE = 5.5	QUV A 4000 h	ΔE = 3.5	CIE Lab
Micro organism resistance**	--		Method A: degree 0, excellent		EN ISO 846-A
Solar optical values	ASHRAE	EN 410	ASHRAE	EN 410	
Solar Transmittance (Ts)	8%	8.5%	9%	10%	
Solar reflectance (Rs)	74%	78%	73%	79%	ASHRAE 74-1988
Solar Factor (g)	13%	12%	15%	13%	EN 410
Visible light Transmittance (Tv)	--	6.5%	--	8%	
Visible light Reflectance (Rv)	--	86%	--	88%	
UV transmission		T-UV 0%		T-UV 0%	
Visible light Transmittance (Tv)	13.5%		14%		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	12dBA		12dBA		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 / 702 S2 values
Resources depletion	0.016	0.108	0.108	Kilograms eq. Sb
Global warming	1.597	3.136	2.674	Kilograms eq. CO_2
Energy consumption	41.76	72.44	72.42	Megajoul eq.
Water consumption	88.03	232.9	231.6	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.
** 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

- 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

www.texyloop.com

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