

PRECONTRAIN

802 S2



802-8636 S2

802-8341 S2


Serge Ferrari

Technical properties	Précontraint 802 S2		Standards
Application	Mobile or permanent structures		
Surface treatment	PVDF / PVDF		
Yarn	PES HT 1100 Dtex		
Weight	850 g/sqm • 25.1 oz/sqyd		EN ISO 2286-2
Total thickness	0.70 mm		
Width	267 cm • 105.1 in		(+1mm /-1mm)
Tensile strength (warp/weft)	280/280 daN/5cm 320/320 Lbs/in		EN ISO 1421 ASTM D 751-00 Cut Strip
Tear resistance (warp/weft)	30/28 daN 85/80 Lbs		DIN 53.363 ASTM D 751-00 Trapezoid
Adhesion	10 daN/5cm		EN ISO 2411
Flame retardancy			
Rating	B1/DIN 4102-1 • M2/NFP 92-507 • 1530.3/AS/NZS • Test2/NFPA 701		
> The technical data here above are average values with a +/-5% tolerance			
Longevity			
Coating thickness at the top of the yarns	350 microns		
Varnish adhesion longevity	QUV A 4000 h	pass	Scotch tape test
Solar optical values (values for Précontraint 802-8604 S2 White)			
	ASHRAE 74-1988		EN 410
Solar Transmittance (Ts)	6%		7%
Solar reflectance (Rs)	78%		80%
Solar Factor (g)	12%		10.5%
Visible light Transmittance (Tv)	--		6%
Visible light Reflectance (Rv)	--		89%
UV transmittance			T-UV 0%
Visible light Transmittance		10%	NFP 38511 (diffus-diffus)
Global thermal conductivity**			
Vertical / Horizontal position	U= 5.6 / 6.4 W/sqm/°C		
Acoustic performance			
Weakening index	13 dBA		ISO 717-1
LEED Heat island Effect (values for Précontraint 802-8604 S2 White)			
Non roof (up to 2 pts)	Solar Reflectance Index >95%		SSc 7.1
Roof (up to 1 pt)	Solar Reflectance Index >95%		SSc 7.2/GIB C9 (ND)
Environmental Impact: LCA (Life Cycle Assessment)			
Comparative analysis depending on end-of-life scenarios	Texyloop® Recycling	Incineration	Landfill
Resources depletion	0.024	0.151	0.151
Global warming	2.572	4.757	4.104
Energy consumption	59.7	103.3	103.3
Water consumption	139.6	341.3	339.6
Functional unit = 1 sqm Material only / 1002 S2 values			
			Kilograms eq. Sb
			Kilograms eq. CO ₂
			Megajoul eq.
			Litre
Management systems			
Quality in conformity with	ISO 9001		
Environmental communication in conformity with	ISO 14021		
Certifications, labels, guarantee*, recycling capacity			



LCA and LEED reports 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: + 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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