PRECONTRAINT

802 52



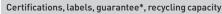
802-8636 **S2** 802-8341 **S2**



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 valu	es with a +/-5% tolerance			
Longevity				
Coating thickness at the top of the yarns	350 micr	ons		
Varnish adhesion longevity	QUV A 40	000 h pass		Scotch tape test
Solar optical values (values for Précontraint 802-8604 S2 White)	ASHRAE	74-1988	EN 410	
Solar Transmittance (Ts)	6%	6% 7%		
Solar reflectance (Rs)	78%	78% 80%		
Solar Factor (g)	12%	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	5.4 W/sqm/°C		
Acoustic performance				
Weakening index	13 dBA			ISO 717-1
LEED Heat island Effect (values for Précontra	aint 802-8604 S2 White)			
Non roof (up to 2 pts)	Solar Re	Solar Reflectance Index >95%		SSc 7.1
Roof (up to 1 pt)	Solar Re	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 conform	ISO 14021			
0				







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

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- Secondary raw materials of high intrinsic value compatible with multiple processes
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