

# PRECONTRAIN

1002 HIGHLY TRANSLUCENT



1002-3399 S2

1002-2399 T2

**Serge Ferrari** 

Technical properties	Précontraint 1002-3399 S2	Précontraint 1002-2399 T2	Standards
Application	Static and permanent structures	TROPICAL CLIMATE, Static and permanent structures	
Surface treatment (top/back)	PVDF / PVDF	HIGH CONCENTRATION PVDF / PVDF	
Making up	Weldable	<b>Weldable after top surface abrasion</b>	
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
Width	178 cm • 70.08 in	178 cm • 70.08 in	(+1mm / -1mm)
Tensile strength (warp/weft)	430/430 daN/5cm 490/490 Lbs/in	430/430 daN/5cm 490/490 Lbs/in	EN ISO 1421 ASTM D 751-00 Cut Strip
Tear resistance (warp/weft)	55/50 daN 105/100 Lbs	55/50 daN 105/100 Lbs	DIN 53.363 ASTM D 751-00 Trapezoid
Adhesion	12 daN/5cm	12 daN/5cm	EN ISO 2411
<b>Flame retardancy</b>			
Euroclass	<b>B-s2,d0</b> /EN 13501-1	<b>B-s2,d0</b> /EN 13501-1	
Rating	<b>M2</b> /NFP 92-507 • <b>B1</b> /DIN 4102-1 • <b>BS</b> 7837 • <b>Test2</b> /NFPA 701 • <b>CSMF</b> T19		
<b>Guarantee*</b>			



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

ADDITIONAL INFORMATION				
Total thickness	0.78 mm		0.78 mm	
Varnish adhesion longevity	QUV A 4000 h	pass	QUV A 4000 h	pass
Micro organism resistance	--		<b>Method A: degree 0, excellent</b>	Scotch tape test EN ISO 846
Dimensional stability				
Elongation 24h -10daN/5cm (warp/weft)	<1% / <1%		<1% / <1%	EN 15977
Residual elongation	<0.4% / <0.4%		<0.4% / <0.4%	EN 15977
Solar optical values				
Solar Transmittance (Ts)	19%		18%	
Solar reflectance (Rs)	64%		65%	
Solar Factor (g)	24%		22%	
Visible light Transmittance (Tv)	16%		15%	EN 410
Visible light reflectance	69%		71%	
UV transmission	0%		0%	
Visible light Transmittance	24%		20%	NFP 38511 (diffus-diffus)
Thermal and Acoustic performances				
Thermal conductivity (vertical/horizontal)	ca. U=5.6 / 6.4 W/sqm/°C		ca. U=5.6 / 6.4 W/sqm/°C	Calculated
Acoustic Weakening index	ca. 14dBA		ca. 14dBA	ISO 717-1
LEED Heat island Effect				
Roof / Non Roof (up to 1 pt/2 pts)	Solar Reflectance Index >78%		Solar Reflectance Index >80%	SSc 7.2/SSc 7.1
Environmental Impact: LCA (Life Cycle Assessment)				
Depending on end-of-life scenarios	<b>Texyloop® Recycling</b>	Incineration	Landfill	1 sqm membrane 1002 S2
Resources depletion	<b>0.024</b>	0.151	0.151	Kilograms eq. Sb
Global warming	<b>2.572</b>	4.757	4.104	Kilograms eq. CO2
Energy consumption	<b>59.7</b>	103.3	103.3	Megajoul eq.
Water consumption	<b>139.6</b>	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

> Additional information here above are non-contractual.

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. 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.

> **BEWARE OF HANDLING CONDITIONS:** The high translucency of this product generates some risk of irreversible fold marks. To limit this phenomenon, it is important to avoid crushed folds during fabrication and handling, to pack it with protection material and to transport it as rolls and not bundles.

## → 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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