

PRECONTRAIN

902 S2



902-8604 S2

Serge Ferrari 

| Technical properties | Précontraint 902 S2 | Standards |
|------------------------------|---|--|
| Application | Mobile or permanent structures | |
| Surface treatment (top/back) | PVDF / PVDF | |
| Making up | Weldable | |
| Yarn | PES HT 1100 Dtex | |
| Weight | 950 g/sqm • 28 oz/sqyd | EN ISO 2286-2 |
| Total thickness | 0.72 mm | |
| Width | 267 cm • 105.1 in | (+1mm /-1mm) |
| Tensile strength (warp/weft) | 420/400 daN/5cm 480/450 lbs/in | EN ISO 1421 ASTM D 751-00 Cut Strip |
| Tear resistance (warp/weft) | 55/50 daN 105/100 lbs | DIN 53.363 ASTM D 751-00 Trapezoid |
| Adhesion | 12 daN/5cm | EN ISO 2411 |
| Flame retardancy | | |
| Euroclass | B-s2,d0 /EN 1350-1 | |
| Rating | M2/NFP 92-507 • B1/DIN 4102-1 • Test 2/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 | 300 microns | | | |
| Varnish adhesion longevity | QUV A 4000 h | pass | | Scotch tape test |
| Solar optical values | | | | |
| Solar Transmittance (Ts) | 7% | | EN 410 | |
| Solar reflectance (Rs) | 75% | | 80% | ASHRAE 74-1988 |
| Solar Factor (g) | 11.5% | | 12.5% | EN 410 |
| Visible light Transmittance (Tv) | -- | | 5% | |
| Visible light Reflectance (Rv) | -- | | 88% | |
| UV transmission | | | T-UV 0% | |
| Visible light Transmittance (Tv) | | 9% | | NFP 38511 (diffus-diffus) |
| Global thermal conductivity** | | | | |
| Vertical / Horizontal position | U= 5.6 / 6.4 W/sqm/°C | | | |
| Acoustic performance | | | | |
| Weakening index | 13dBA | | | ISO 717-1 |
| LEED Heat island Effect | | | | |
| 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 | Functional unit = 1 sqm Material only / 902 S2 values |
| Resources depletion | 0.032 | 0.133 | 0.133 | Kilograms eq. Sb |
| Global warming | 2.33 | 4.23 | 3.65 | Kilograms eq. CO ₂ |
| Energy consumption | 59.1 | 95.5 | 95.5 | Megajoul eq. |
| Water consumption | 149.3 | 310.1 | 308.6 | Litre |
| Management systems | | | | |
| Quality in conformity with | | | | ISO 9001 |
| Environmental communication in conformity with | | | | ISO 14021 |
| Certifications, labels, recycling capacity | | | | |



LCA and LEED reports 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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→ 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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