Designed for use in exterior applications like awnings, shade-sails, blinds, canopies and lightweight tensile structures, Soltis® and Précontraint® 502 exceed performance criteria around the world. Specifiers and building professionals alike have come to rely on Ferrari® textiles for the following reasons:

- Innovative treatments for higher energy performance
- Greenguard® Certification: Indoor Air Quality™ and Children & School™
- Excellent long-term performance in all climates
- Unsurpassed dimensional stability
- New color range coordinated with other Ferrari® products
- Lightweight and thin textiles for a longer drop from smaller cases
- 100 % recyclable
Reducing energy costs

Soltis® textiles have a micro-ventilation system that regulates the sun’s heating effects. Placed on the outside of windows they absorb and reflect back up to 97% of the heat contained in the sun’s rays.

LowE: high energy performance

Soltis® LowE references assist in increasing interior comfort in buildings by re-emitting less heat. The fabric thereby forms an additional passive cooling source, reducing air-conditioning energy consumption.

Soltis® textiles make a strong contribution to reduced energy expenditure, allowing better cost control of the building.

Soltis® - Maintain the view

Soltis® textiles preserve privacy and visual comfort inside while providing visibility to the outside. They offer natural lighting that promotes well-being for occupants, while eliminating glare.

Offering a variety of open factors - Soltis® comes in 14%, 5%, 3% & Opaque for total light control.

Précontraint® 502: a waterproof and resistant sun protection

Précontraint® 502 textiles are specifically designed for weather protection, offering a 100% waterproof finish that will protect you against the elements. New formulations ensure high-performance thermal protection systems.

Thanks to the Ferrari® Précontraint® technology, the Précontraint® 502 range offers many advantages: dimensional stability; unmatched strength; high UV resistance due to rigorous pigment and surface treatments; ease of maintenance with a consistently smooth appearance.

Coordinated color range

The new Précontraint® 502 range of colors is very closely coordinated with other Ferrari® product ranges and facilitates the harmonization of awnings to interior solar blinds, exterior canopy structures, facades and other textile coverings.

The adaptation to current and future color trends and the addition of metallic finishes and interferential colors bestow enduring individual traits to every project.
The exclusive **Précontraint® Ferrari®** technology

Made using the exclusive patented **Précontraint® Ferrari®** technology, **Soltis®** and **Précontraint® 502** textiles are maintained under tension throughout the whole manufacturing cycle.

The result of that is exceptional dimensional stability • perfect tensioning and finish • shape that is retained at installation and over time • long-lasting mechanical resistance • substantially extended lifespan • exceptional flexibility that ensures architectural freedom and ease of fitting • combination of strength in a thin profile and lightweight.

**Technical features**

![Thermal comfort](image1)

![Low emmissivity](image2)

![Visual comfort](image3)

![Visibility toward the outside](image4)

![Tear resistance](image5)

![Flame retardant](image6)

![Won’t sag](image7)

![Dimensional stability](image8)

![U.V. resistant](image9)

![Long life](image10)

![Easy maintenance](image11)

![Creative freedom](image12)

![Fungistatic treatment](image13)

![100% recyclable textile](image14)

![Safety textile](image15)

**Technical properties**

<table>
<thead>
<tr>
<th>Soltis® 86</th>
<th>Soltis® 92</th>
<th>Soltis® 93</th>
<th>Précontraint®502</th>
<th>Standards</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight</td>
<td>380 g/m² / 11.2 oz/sq.yd</td>
<td>420 g/m² / 12.4 oz/sq.yd</td>
<td>420 g/m² / 12.4 oz/sq.yd</td>
<td>590 g/m² / 17.4 oz/sq.yd</td>
</tr>
<tr>
<td>Width</td>
<td>177 cm - 267 cm 69.6 in - 105.1 in</td>
<td>177 cm - 267 cm 69.6 in - 105.1 in</td>
<td>267 cm / 105.1 in</td>
<td>267 cm / 105.1 in</td>
</tr>
<tr>
<td>Tensile strength</td>
<td>230/160 daN/5 cm 517/360 lbs/2 in</td>
<td>310/210 daN/5 cm 697/472 lbs/2 in</td>
<td>300/240 daN/5 cm 674/539 lbs/2 in</td>
<td>250/250 daN/5 cm 562/562 lbs/2 in</td>
</tr>
<tr>
<td>Flame retardancy</td>
<td><strong>Test 1/NFPA 701</strong> <strong>CLASS A/ASTM E84</strong> <strong>M1/NFPA92-507</strong> <strong>B1/DIN 4102-1</strong> <strong>BS 7837</strong> <strong>BS 5867</strong> <strong>AS/NZS 1530.3</strong></td>
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</tr>
</tbody>
</table>

| Euroclass | B-s2,d0 | B-s2,d0 | B-s2,d0 | EN 13501-1 |

The technical data shown here are average values, given for information only, and may be modified.
SOLTIS® 86
Excellent solar protection
Up to 86% reflective
An excellent balance between light control and heat protection

SOLTIS® 92
Superior solar protection
Up to 97% reflective
A real heat shield

SOLTIS® 93
An extra wide innovative heat shield
Heat protection while maintaining good visibility towards the outside

PRECONTRAIN® 502
High performance for stationary awnings
Heat and weather protection-100% waterproof

Color range

A: Aluminum side exposed to the sun
B: Colored side exposed to the sun

www.soltis-textiles.com
Downloads, technical data, references, photos, description of tenders, and much more. All in real-time.

Sustainable development
Ferrari® development is based on strict adherence to good safety and environmental practices, that include an understanding of Life Cycle Analysis (LCA), selection of the best materials, and eco-design. The Company obtained its first ISO 14001 certification in 2003.

100% recyclable
Ferrari® developed the Texyloop® technology specifically for the recycling of composite PVC membranes and textiles. Through the management of its end-of-life products Ferrari® is committed to sustainable development. www.texyloop.com

Specification service
The Ferrari® specification service is available to inform you, advise you and suggest innovative solutions for your specific requirements.

For more information, please go to: www.soltis-textiles.com

CSI 12.24.00
CSI Specifications available upon request at info@ferrari-textiles.com