



SOLTIS® 86 SOLTIS® 92 SOLTIS® 93 **PRECONSTRAINT®** **502**

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

- Excellent long term performance in all climates
- Unsurpassed dimensional stability
- Exceptional color range including metallics and iridescents
- Lightweight and durable
- Long-term performance
- Effecting energy savings worldwide
- 100 % recyclable

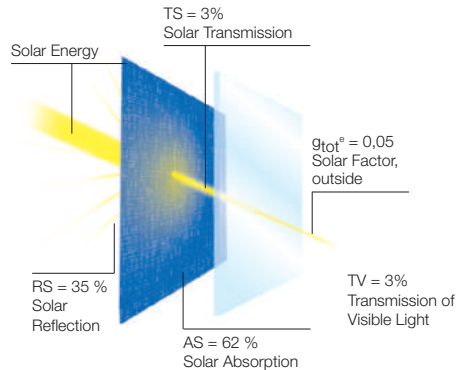


Exterior sun control textiles

■ Reducing energy costs

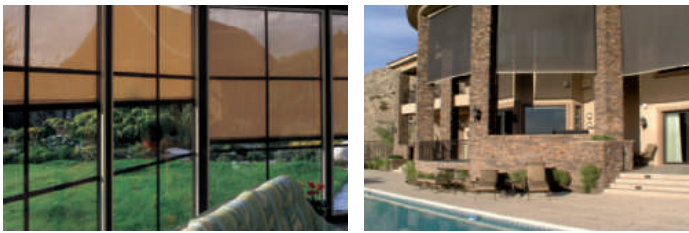
Soltis® textiles when used in exterior applications have a micro-ventilation system that regulates the sun's thermal gain on a building. Reflecting and or absorbing up to 97% of energy in solar rays - the textiles are able to stop heat from attacking the building.

This type of exterior shading product can significantly contribute to the reduction of energy costs, as well as maintenance of the facility due to premature aging caused by the sun.



Example of values given for color shade 92-2045 (according to EN 14501 with type "C" double glazing insulating materials)

■ Soltis® - Maintain the view



By adding a Soltis® exterior textile to your next project, you will not only reduce energy consumption but do so while still maintaining the view.

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

■ Precontraint® 502: waterproof and sun protection

Precontraint® 502 textiles are specifically designed for weather protection, offering a 100% waterproof finish that will protect you against the elements.

In addition, with so many colors they can be used in almost any application under the sun - awnings, solar screens, tents, canopies, shade-sails and even facades.



■ Expanded color range



The Precontraint® 502 and Soltis® ranges have been designed to integrate into almost every application. With more than 100 color options to choose from, they are adaptable for every situation.

In addition, the color range also features metallic options and interferential colors - offering a new style to traditional applications.

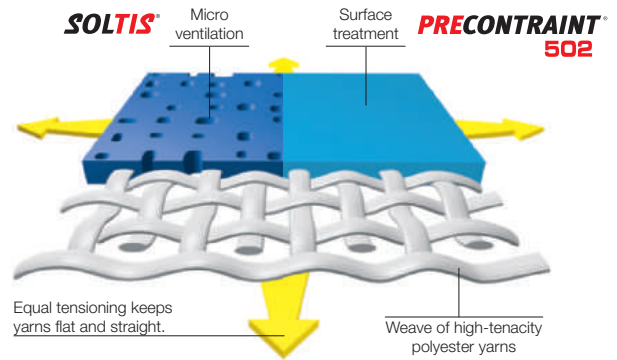
Synchronized colors also allow specifiers and end users the ability to coordinate mesh and solid fabrics for maintaining the view from the outside as well as the interior.



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	Visual comfort	Visibility toward the outside	Tear resistance	Flame retardant	Won't sag	Dimensional stability	U.V. resistant
Long life	Easy maintenance	Creative freedom	100% recyclable textile	Safety textile			

Technical properties	Soltis® 86	Soltis® 92	Soltis® 93	Précontraint®502	Standards
Weight	11.2 oz/sqyd	12.4 oz/sqyd	12.4 oz/sqyd	17.4 oz/sqyd	EN ISO 2286-2
Width	69.7 in - 105.1 in	69.7 in	105.1 in	70.9 in	
Tensile strength (warp/weft)	230/160 daN / 5 cm	310/210 daN / 5 cm	300/240 daN / 5 cm	270/250 Lbs/inch	ASTM D 751- 06 Cut strip Method
Tear strength (warp/weft)	45/20 daN	40/20 daN	40/30 daN	25/20 Lbs/inch	ASTM D 751- 06 Trapezoidal strip Method
Flame retardancy	TEST 1/NFPA 701 CSFM T19 CLASS A/ASTM E84 M1/NFP92-507 B1/DIN 4102-1 BS 7837 B1/ONORM B3800-1 CLASSE 1/UNI 9177 VKF 5.2/SN 198898 BS 5867 AS/NZS 1530.3 G1/GOST 30244-94	TEST 1/NFPA 701 CSFM T19 CLASS A/ASTM E84 M1/NFP92-507 B1/DIN 4102-1 BS 7837 B1/ONORM B3800-1 CLASSE 1/UNI 9177 M1/UNE 23.727 VKF 5.3/SN 198898 BS 5867 AS/NZS 1530.3 G1/GOST 30244-94	TEST 1/NFPA 701 M1/NFP92-507 B1/DIN 4102-1 BS 7837 B1/ONORM B3800-1 CLASSE 1/UNI 9177 M1/UNE 23.727 VKF 5.2/SN 198898 BS 5867 AS/NZS 1530.3 G1/GOST 30244-94	TEST 1/NFPA 701 CSFM T19 CLASS A/ASTM E84 TEST 2/CAN ULCS 109 M2/NFP 92-507 M2/UNE 23.727 B1/DIN 4102-1 B1/ONORM B 3800-1 BS 7837 CLASSE 1/UNI 9177 LP7 VKF 5.3/SN 198898 G1/GOST 30244-94 UBC 31-1 GROUP 1/AS/NZS 3837 AS/NZS 1530.3 SP METHOD 2205	
Euroclass	B-s2,d0 / EN 13501-1	B-s2,d0 / EN 13501-1	B-s2,d0 / EN 13501-1		

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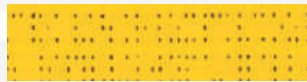
SOLTIS® 86

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



PRECONTRAIT® 502

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



Color range

Ref.	Ref.	Ref.	Ref.	Ref.	Ref.	Ref.	Ref.	Ref.
SOLTIS 86 86-2001	SOLTIS 92 92-2046	92-2009	92-2031	92-2069	93-3048	502-2165	502-8861	
86-2002	92-2047	92-2010	92-2032	92-2070	93-3051	502-8204	502-2164	
86-2003	92-2048	92-2011	92-2035	92-2072	93-3053	502-2172	502-2141	
86-2006	92-2053	92-2012	92-2037	92-2074	93-3065	502-2166	502-1013	
86-2011	92-2069	92-2013	92-2039	92-2088	93-3070	502-2150	502-8341	
86-2012	92-2077	92-2014	92-2040	92-2089	93-3088	502-2152	502-2151	
86-2022	92-2078	92-2016	92-2042	92-2090	93-3175	502-2156	502-2135	
86-2024	92-2175	92-2019	92-2043	92-2175	502-2148	502-8056	502-8255	
86-2027	92-2001	92-2020	92-2044	93-3002	502-8102	502-2173	502-2162	
86-2030	92-2002	92-2021	92-2045	93-3003	502-2167	502-8284	502-8450	
86-2035	92-2003	92-2022	92-2046	93-3011	502-2160	502-2145	502-2161	
86-2040	92-2004	92-2023	92-2047	93-3043	502-2168	502-2137	502-2171	
86-2042	92-2005	92-2024	92-2048	93-3044	502-2159	502-2138	502-2136	
86-2043	92-2006	92-2025	92-2051	93-3045	502-2163	502-2012	502-2152	
86-2044	92-2007	92-2027	92-2053	93-3046	502-2144	502-2158	502-1125	
86-2045	92-2008	92-2030	92-2065	93-3047	502-1499	502-2149		

www.soltis-textiles.com

Downloading, 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 Taxyloop® 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.taxyloop.com

Specification service

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

To detail your project, fill in a form under:
www.soltis-textiles.com

CSI Specifications Available

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