



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 Préconstraint® 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



Exterior sun control textiles

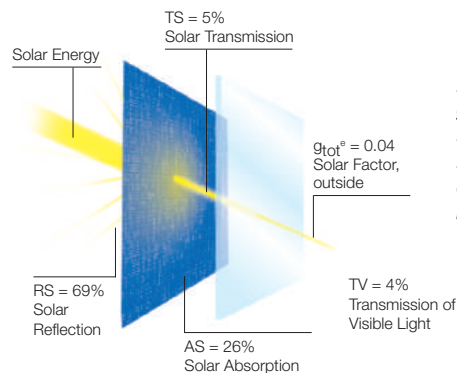
■ Reducing energy costs

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.



Example of values given for color shade 92-2063E (according to EN 14501 with type "C" double glazing insulating materials)

■ 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.

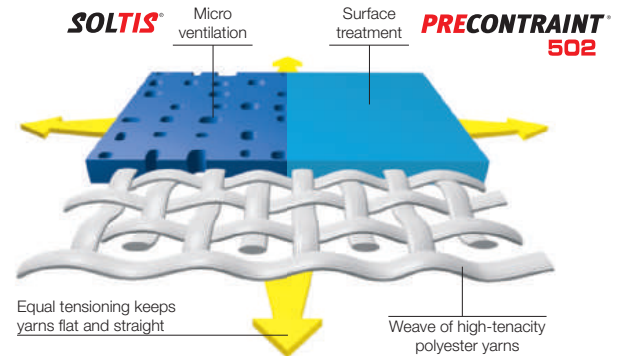
The adaptation to current and future color trends and the addition of metallic finishes and interferential colors bestow enduring individual traits to every project.



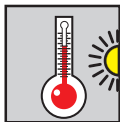
The exclusive Précontraint® Ferrari® technology

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

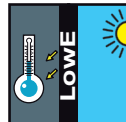
The result of that is exceptional dimensional stability • perfect tensioning and finish • shape that is retained at installation and over time • long-lasting mechanical resistance • substantially extended lifespan • exceptional flexibility that ensures architectural freedom and ease of fitting • combination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



Technical features



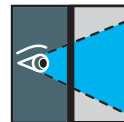
Thermal comfort



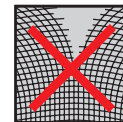
Low emmissivity



Visual comfort



Visibility toward the outside



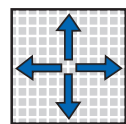
Tear resistance



Flame retardant



Won't sag



Dimensional stability



U.V. resistant



Long life



Easy maintenance



Creative freedom



Fungistatic treatment



100% recyclable textile



Safety textile



Technical properties	Soltis® 86	Soltis® 92	Soltis® 93	Précontraint®502	Standards
Weight	380 g/m ² / 11.2 oz/sq.yd	420 g/m ² / 12.4 oz/sq.yd	420 g/m ² / 12.4 oz/sq.yd	590 g/m ² / 17.4 oz/sq.yd	EN ISO 2286-2
Width	177 cm - 267 cm 69.6 in - 105.1 in	177 cm - 267 cm 69.6 in - 105.1 in	267 cm / 105.1 in	267 cm / 105.1 in	
Tensile strength (warp/weft)	230/160 daN/5 cm 517/360 lbs/2 in	310/210 daN/5 cm 697/472 lbs/2 in	300/240 daN/5 cm 674/539 lbs/2 in	250/250 daN/5 cm 562/562 lbs/2 in	ASTM D 751- 06 Cut strip Method
Tear strength (warp/weft)	45/20 daN 101/45 lbs	40/20 daN 90/45 lbs	40/30 daN 90/67 lbs	25/20 daN 56/45 lbs	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 BS 5867 AS/NZS 1530.3	TEST 1/NFPA 701 CSFM T19 CLASS A/ASTM E84 M1/NFP92-507 B1/DIN 4102-1 BS 7837 BS 5867 AS/NZS 1530.3	TEST 1/NFPA 701 M1/NFP92-507 B1/DIN 4102-1 BS 7837 BS 5867 AS/NZS 1530.3	TEST 1/NFPA 701 CSFM T19 CLASS A/ASTM E84 TEST 2/CAN ULCS 109 M2/NFP 92-507 B1/DIN 4102-1 BS 7837 LP7 UBC 31-1 GROUP 1/AS/NZS 3837 AS/NZS 1530.3 SP METHOD 2205	
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.

Exterior sun control textiles

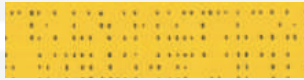
SOLTIS® 86

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



PRECONSTRAINT® 502

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



Color range

	Ref.	Ref.	Ref.	Ref.	Ref.	Ref.	Ref.	Ref.
SOLTIS 86	86-2001	86-2047	92-2009	92-2035	92-2065	93-3047	502-2144	502-2167
	86-2002	86-2048	92-2010	92-2037	92-2069	93-3048	502-2145	502-2168
	86-2003	86-2053	92-2011	92-2039	92-2070	A 93-3051	502-2148	502-2171
	86-2006	A 86-2061E	92-2012	92-2040	92-2072	B 93-3051	502-2149	502-2172
	86-2011	B 86-2061E	92-2013	92-2042	A 92-2074	93-3053	502-2150	502-2173
	86-2012	86-2063E	92-2014	92-2043	B 92-2074	93-3065	502-2151	502-8056
	86-2022	86-2069	92-2016	92-2044	92-2088	93-3070	502-2152	502-8102
	86-2024	86-2077	92-2019	92-2045	92-2089	93-3088	502-2156	502-8204
	86-2027	86-2078	92-2020	A 92-2046	92-2090	93-3175	502-2157	502-8255
	86-2030	86-2175	92-2021	B 92-2046	92-2175	502-1013	502-2158	502-8284
86-2035	92-2001	92-2022	92-2047	93-3002	502-1125	502-2159	502-8341	
86-2040	92-2002	92-2023	92-2048	93-3003	502-1499	502-2160	502-8450	
86-2042	92-2003	92-2024	A 92-2051	93-3011	502-2012	502-2161	502-8861	
86-2043	92-2004	92-2025	B 92-2051	93-3043	502-2135	502-2162		
86-2044	92-2005	92-2027	92-2053	93-3044	502-2136	502-2163		
86-2045	92-2006	92-2030	A 92-2061E	93-3045	502-2137	502-2164		
A 86-2046	92-2007	92-2031	B 92-2061E	A 93-3046	502-2138	502-2165		
B 86-2046	92-2008	92-2032	92-2063E	B 93-3046	502-2141	502-2166		

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 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.

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

CSI 12.24.00
CSI Specifications available
upon request at
info@ferraritextiles.com

FERRARI



EUROPE	NORTH AMERICA	LATIN AMERICA	MIDDLE EAST	ASIA - PACIFIC	CHINA		
FERRARI SA La Tour du Pin - FRANCE Tel: +33 (0)4 74 97 41 33 Fax: +33 (0)4 74 97 67 20	STAMOID AG Eglisau - SWITZERLAND Tel: +41 (0)44 868 26 26 Fax: +41 (0)44 868 27 27	FERRARI TEXTILES CORP. Florida - USA Tel: +1 954 942 3600 Fax: +1 954 942 5555	FERRARI LATINOAMERICA S.A. Santiago - CHILE Tel: +56 2 737 0909 Tel: +52 55 5018 5742	São Paulo - BRAZIL Tel: +55 11 3262 3405 Mexico - MEXICO Tel: +52 55 5018 5742	FERRARI DUBAI Dubai - U.A.E Tel: +971 4 886 5506 Fax: +971 4 886 5507	FERRARI HONG-KONG LTD HONG-KONG Tel: +852 3622 1340 Fax: +852 3622 1354	FERRARI CHINA Shanghai Tel: +86 21 6211 6936 Fax: +86 21 6211 6389