

# Solar protection



[www.ferrari-architecture.com](http://www.ferrari-architecture.com)

**SOLTIS<sup>®</sup> 86**

**FERRARI**  
architecture



# SOLTIS® 86

## Micro-ventilated textiles for solar protection

Main applications: Façade blinds - Conservatory  
and glassroof blinds - Shadesails

### ■ Thermal protection and light management

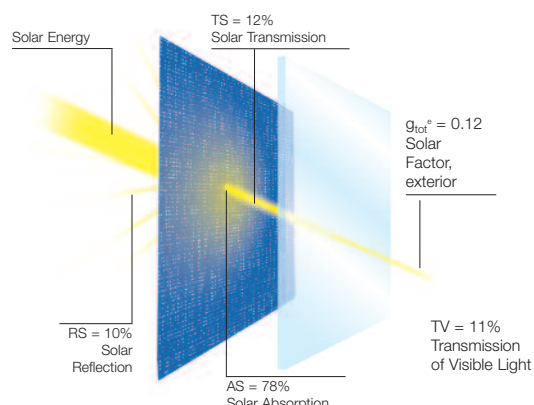
Soltis® 86 is the perfect textile choice for essential solar protection combined with openness to let in more light.

North-facing facades and conservatories needing greater amounts of light are situations where Soltis® 86 textiles really come into their own.



Reuter's Agency - Geneva, Switzerland

Example of values given for colour shade 86-2043 (according to EN 14501 with type "C" double glazing insulating materials)



Soltis® 86 makes a big contribution to building heating management by cutting out up to 86% of the sun's rays.

### ■ Transparency and visibility toward the outside

Soltis® 86 provides greater visibility toward the outside, plus much-appreciated visual comfort in many types of buildings.



Festo - Germany



Angers Railway Station - France



Private house - Belgium

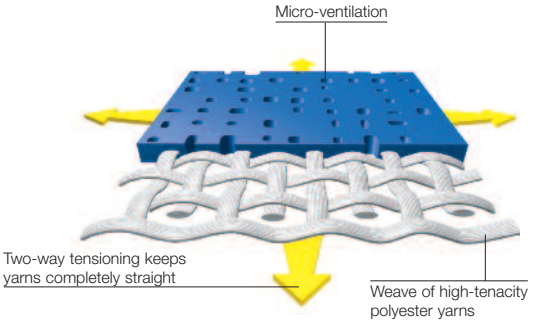
### ■ Metallic and matching colours

Soltis® 86 is a perfect complement to the Soltis® 92 and Soltis® 93 ranges. As most of the colours in the three ranges are matchable you can cover all the facades of a building while respecting each one's specific thermal and light protection requirements.

The innovative Soltis® 86 metallic finishes open up new horizons for blending solar protection textiles with the building and its surroundings.

Aluminum, gold, copper and bronze are particularly well suited colours in modern architecture.

# The exclusive Précontraint® Ferrari® technology



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

This gives very considerable dimensional stability. Textiles keep their shape, both during installation and when in use. Soltis® textiles combine strength, thinness and light weight.

## These textiles carry the "NF Toiles" label



The French "NF Toiles" label guarantees that solar protection textiles maintain a high level of quality and homogeneity. Soltis® certified textiles meet the "NF Toiles" label's thermo-optical, mechanical and longevity requirements.

## Solar and light properties (according to EN 14501)

Reference	TS	RS	AS	TV n-h	TV n-n	g <sub>tot</sub> <sup>°</sup>	g <sub>tot</sub> <sup>i</sup>	NCS Codification
86-2001	29	58	13	26	15	0.20	0.38	1003 R 05 B
86-2002 86-3002	26	47	27	22	12	0.18	0.42	2010 Y 30 R
86-2003 86-3003	21	45	34	19	15	0.16	0.42	2005 Y 50 R
86-2006	25	55	20	23	14	0.18	0.39	0030 Y 10 R
86-2011 86-3011	24	41	35	22	15	0.18	0.44	2502 B
86-2012 86-3012	19	27	54	18	15	0.16	0.48	4010 Y 30 R
86-2022	21	33	46	16	17	0.16	0.46	5010 R 70 B
86-2024	29	46	25	25	14	0.20	0.42	0765 Y 17 R
86-2027	28	37	35	18	17	0.21	0.45	1473 Y 95 R
86-2030	24	25	51	16	16	0.18	0.48	5050 R 70 B
86-2035	17	13	70	17	16	0.15	0.52	4837 B 77 G
86-2040	22	13	65	21	18	0.18	0.52	6020 R 90 B
86-2042	22	15	63	18	15	0.17	0.51	5040 R 20 B

Reference	TS	RS	AS	TV n-h	TV n-n	g <sub>tot</sub> <sup>°</sup>	g <sub>tot</sub> <sup>i</sup>	NCS Codification
86-2043 86-3043	12	10	78	11	13	0.12	0.53	7404 Y 51 R
86-2044 86-3044	32	59	9	30	14	0.21	0.38	0501 Y 17 R
A 86-2045 86-3045	14	29	57	14	13	0.12	0.47	/
B 86-2046 86-3046	21	43	36	20	14	0.16	0.43	/
86-2046 86-3046	19	58	23	19	14	0.14	0.38	/
86-2047 86-3047	16	7	77	16	15	0.14	0.54	/
86-2048	22	42	36	22	16	0.17	0.43	/
86-2053 86-3053	15	5	80	15	13	0.14	0.54	S 8500 N
86-2069	15	22	63	15	14	0.13	0.49	S 4502 B
86-2077 86-3077	20	35	45	16	15	0.15	0.45	/
86-2078	20	35	45	17	17	0.15	0.45	/
86-2175 86-3175	28	57	15	26	14	0.19	0.39	/

TS: Solar Transmission as a %  
RS: Solar Reflection as a %  
AS: Solar Absorption as a %  
TS + RS + AS = 100% of the incident energy

TVn-h: Normal-hemispherical Visible light Transmission as a %  
TVn-n: Normal-normal Visible light Transmission as a %

g<sub>tot</sub><sup>°</sup>: External solar factor  
g<sub>tot</sub><sup>i</sup>: Internal solar factor  
C type glazing: insulating, slightly emissive double glazing in position 3 (4 + 16 + 4; Argon filled).

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

## SOLTIS® 86 Technical features

Visibility toward the outside

Tear strength

Dimensional stability

Won't sag

Fungistatic treatment

Flame retardant

Space-saving

Long life

Easy maintenance

100% recyclable textile

Confidence in textiles

# Solar protection

## SOLTIS® 86

Technical properties	Soltis® 86	Standards
Weight	380 g/sqm	EN ISO 2286-2
Thickness	0.43 mm	
Width New width	177 cm 267 cm	
Tensile strength (warp/weft)	230/160 daN/5 cm	EN ISO 1421
Tear strength (warp/weft)	45/20 daN	DIN 53.363
Flame retardancy	<b>METHOD 1/NFPA 701 • CSFM T19 • CLASS A/ASTM E84</b> <b>B1/DIN 4102-1 • BS 7837 • BS 5867 • B1/ONORM A 3800-1</b> <b>CLASSE 1/UNI 9177-87 • M1/UNE 23.727-90 • VKF 5.2/SN 198898</b> <b>1530.3/AS/NZS • G1/GOST 30244-94</b> <b>B-s2,d0/EN 13501-1</b>	
Euroclass		
Roll lengths: 177 cm wide 267 cm wide	50 lm 40 lm	
Fungistatic treatment	Degree 0, excellent	EN ISO 846-A
Quality management system	ISO 9001	

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

The buyer of our products is fully responsible for their application and 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. Concerning the contractual warranty, please refer to the text of our warranty.

The values here above mentioned are the results of tests performed in conformity with the use and customs in terms of studies; they are given as an indication in order to allow our customers to make the best use of our products. Our products are subject 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.

### 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. This includes 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](http://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.ferrari-architecture.com](http://www.ferrari-architecture.com)

**TEXYLOOP®**  
A CLOSELOOP INDUSTRY

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