

Solar protection



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***SOLTIS*[®] 99**
***SOLTIS*[®] BV99**

FERRARI
architecture



SOLTIS® 99 SOLTIS® BV99

Micro-ventilated textiles for indoor solar protection

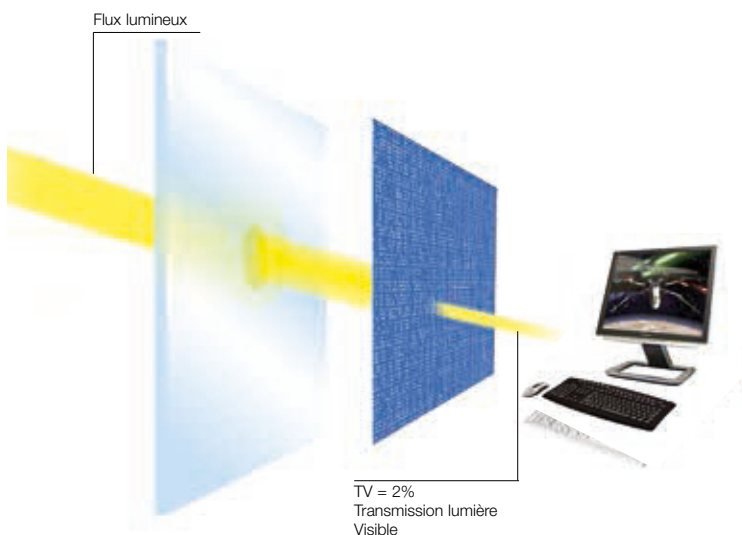
Main applications:

Indoor blinds - Vertical blinds

Interior sunshades for conservatories

Controlled brightness for an optimal visual comfort

A colour example: 99-2087
(according to EN 14501 with type "C"
double glazing insulating materials)



Soltis® 99 is recognised as providing maximum visual comfort for those working on computers; this is due to:

- a systematically metallised face limits unpleasant glare and manages interior brightness levels.
- cleverly constructed openness blocks out as much luminous flux as possible, achieving less than 5% visible light transmission whilst maintaining natural light supply.

The Louvre Museum
Paris - France



Exceptional thermal protection

When installed on the inside, traditional textiles provide solar factors which often exceed 40%.

When associated with type "C" double glazing (cf. EN 14501), Soltis® 99 achieves an efficient solar factor of only 34%.

Soltis® Black & White, combining performance characteristics

The new Black & White colours in the Soltis® 99 range efficiently combine thermal and visual comfort.

The black face effectively ensures excellent outward visibility, whilst the highly reflective white face protects occupants from heat.

LowE: high energy performance

The 2 new references in the range, featuring a specific Low Emissivity treatment (LowE = 0.35) offer greater thermal protection.

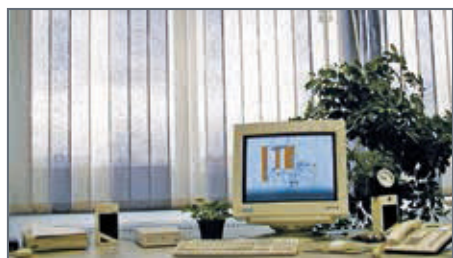
LowE fabrics re-emit less heat thereby increasing interior comfort in buildings.

They form a passive cooling source, achieving a reduction in air-conditioning needs.



Tian An Club Golf - Asia

Special: Soltis® BV99 vertical blinds



Office - France

All Soltis® 99 colours are available for vertical blind use. Soltis® BV99 brings you all the light and heat protection features of Soltis® 99.

Soltis® BV99 is ideal for blinds for offices and public establishments, as well as verandas.

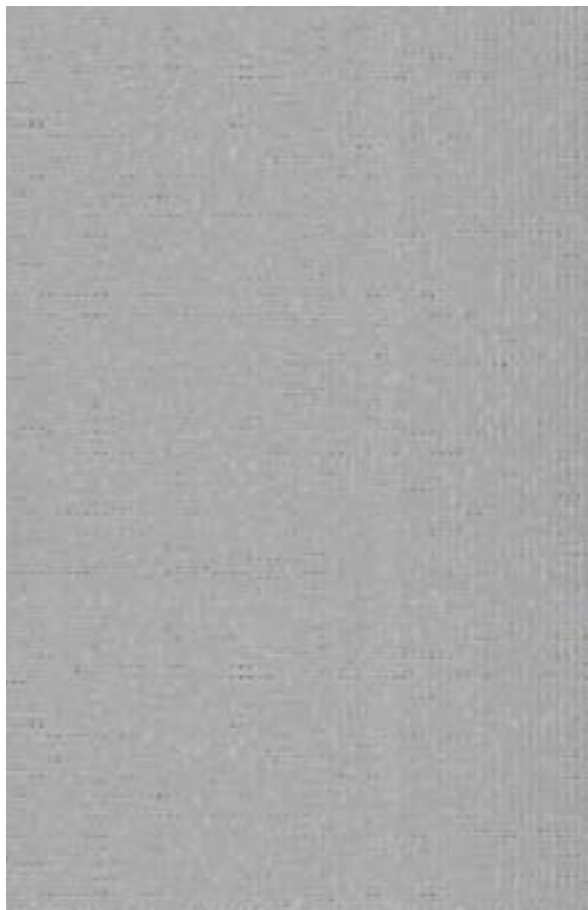
The colours and textures represented in this digital image are provided as a reference only. Whether seen on a screen or printed, they cannot in any way match the actual item. We recommend procuring an actual sample when specifying these products.



LowE 99-2061 E



LowE 99-2063 E




99-2059



99-2115



99-2055

99-3055* 



99-2083





99-2080






99-2081





99-2056

99-3056* 




99-2082





99-2075

99-3075* 



99-2079





99-2084





99-2085





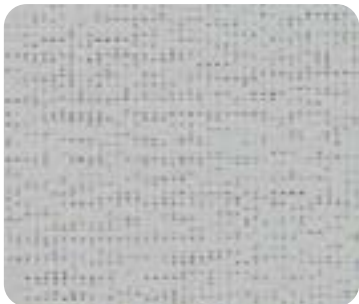
99-2087






99-2086





99-2058

99-3058* 




99-2073



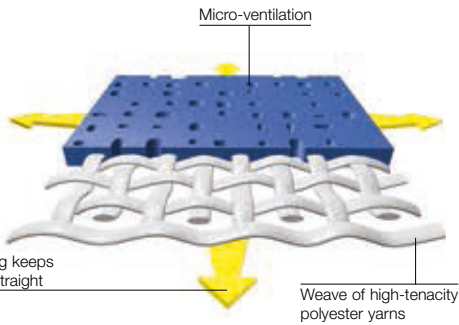


99-2068

99-3068* 

* = Roll-width 267 cm

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 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 _{tot} ⁱ
A 99-2055 99-3055	13	48	39	12	3	0.41
B 99-2055 99-3055	13	65	22	12	3	0.35
A 99-2056 99-3056	10	46	44	8	3	0.41
B 99-2056 99-3056	10	50	40	8	3	0.40
A 99-2058 99-3058	9	44	47	8	4	0.42
B 99-2058 99-3058	9	42	49	8	4	0.43
A/B 99-2059 99-3059	5	45	50	5	4	0.42
A 99-2061 E	6	69	25	6	3	0.34
B 99-2061 E	6	68	26	6	3	0.34
A/B 99-2063 E	3	71	26	2	2	0.34
A 99-2068 99-3068	3	36	61	2	2	0.44
B 99-2068 99-3068	3	9	88	2	2	0.53
A 99-2073	4	40	56	3	3	0.43
B 99-2073	4	25	71	3	3	0.48
A 99-2075 99-3075	12	47	41	12	4	0.41
B 99-2075 99-3075	12	63	25	12	4	0.36
A 99-2079	10	47	43	9	2	0.41
B 99-2079	10	59	31	9	2	0.37

Reference	TS	RS	AS	TV n-h	TV n-n	g _{tot} ⁱ
A 99-2080	10	46	44	8	4	0.41
B 99-2080	10	52	38	8	4	0.40
A 99-2081	12	45	43	11	3	0.42
B 99-2081	12	55	33	11	3	0.39
A 99-2082	5	42	53	4	3	0.42
B 99-2082	5	31	64	4	3	0.46
A 99-2083	12	47	41	10	3	0.41
B 99-2083	12	58	30	10	3	0.38
A 99-2084	12	45	43	10	3	0.42
B 99-2084	12	55	33	10	3	0.39
A 99-2085	12	46	42	9	3	0.42
B 99-2085	12	56	32	9	3	0.38
A 99-2086	3	38	59	3	2	0.44
B 99-2086	3	16	81	3	2	0.51
A 99-2087	6	41	53	2	1	0.43
B 99-2087	6	32	62	2	1	0.46
A* 99-2115	7	63	30	6	2	0.36
B* 99-2115	7	12	81	6	2	0.52

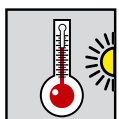
TS: Solar Transmission as a %
RS: Solar Reflection as a %
AS: Solar Absorption as a %
TS + RS + AS = 100% of the incident energy

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

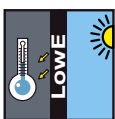
g_{tot}ⁱ: Internal solar factor
 C type glazing: insulating, slightly emissive double glazing in position 3 (4 + 16 + 4; Argon filled).

A: Aluminum side exposed to the sun
B: Colored side exposed to the sun
A*: White side to the sun
B*: Black side to the sun

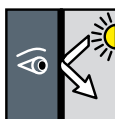
SOLTIS® 99 SOLTIS® BV99 Technical features



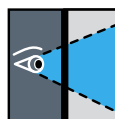
Thermal comfort



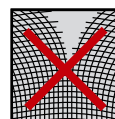
Low Emissivity



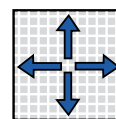
Visual comfort



Visibility toward the outside



Tear resistance



Dimensional stability



Won't sag



Fungistatic treatment



Space-saving



Long life



Easy maintenance



Flame retardant



100% recyclable textile



Solar protection

SOLTIS® 99 SOLTIS® BV99

Technical properties	Soltis® 99	Soltis® BV99	Standards
Weight	290 g/sqm	290 g/sqm	EN ISO 2286-2
Thickness	0.32 mm	0.32 mm	
Roll width New roll width	177 cm 267 cm	126 mm*	
Tensile Strength (warp/weft)	160/170 daN / 5 cm	160/170 daN / 5 cm	EN ISO 1421
Tear strength (warp/weft)	11/13 daN	11/13 daN	DIN 53.363
Flame retardancy	M1/NFP 92-507 • METHOD 1 and 2/NFPA 701 • CSFM T19 • CLASS A/ASTM E84 B1/DIN 4102-1 • BS 7837 • BS 5867 • B1/ONORM A 3800-1		
Euroclass	M1/UNE 23.727-90 • VKF 5.2/SN 198898 • 1530.3/AS/NZS • G1/GOST 30244-94 B-s2,d0/EN 13501-1		
Roll lengths 177 cm wide 267 cm wide	50 lm 40 lm	50 lm	
Fungistatic treatment	Degree 0, excellent		EN ISO 846-A
Quality management system			ISO 9001

* Please consult us about any special projects.

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

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

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