



Solar protection  
**the guide**



# Editorial

**Serge Ferrari**

## Creator of innovative flexible composite materials

Since 1973, the Serge Ferrari Group has been designing, manufacturing and distributing products for overcoming the major challenges of today's and tomorrow's buildings.

Thermal performance, light management, energy savings, comfort in workspaces, transparency of facade solutions..., solar protection is essential, whether it be a tertiary building, an apartment block or a detached house.

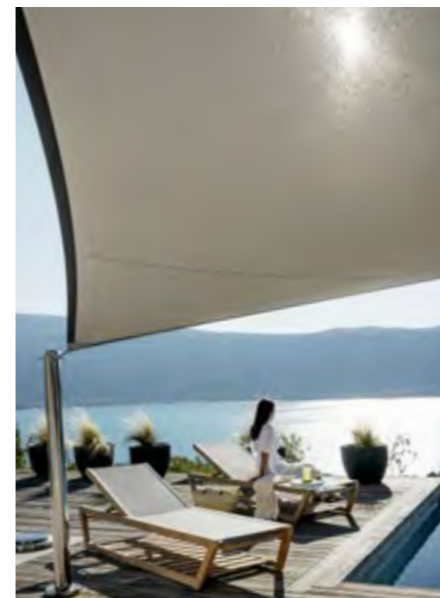
Serge Ferrari provides a global offer, promotes sustainable development and preserves occupant comfort.

Choose a **sustainable material** for :

- roller blinds,
  - facade awnings,
  - velums and pergolas,
  - shade sails,
  - bioclimatic facades...
-



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# Solar protection benefits

Control of solar heat and natural light has a considerable effect on building energy requirements. The best solution must be retained at the earliest design stage to ensure efficient contribution to reducing energy consumption.

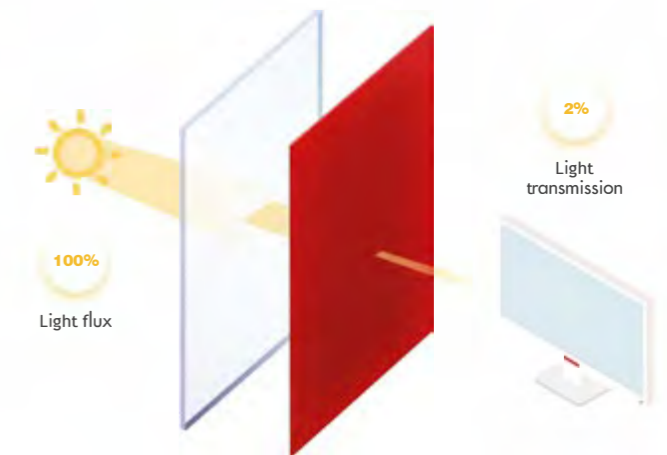
## Internal solar protection: visual comfort

Designed for building facades that are exposed to the sun, where external solar systems cannot be installed, or for developments in which glare control is a major criteria for working comfort.

Natural light has a significant, positive influence on health and well-being. However, dedicated natural light control is necessary to guarantee conditions of visual comfort at all times.

To prevent glare, a 5% light transmission coefficient should not be exceeded.

Internal protection with Soltis Master 99-2068 (see Design Guide)



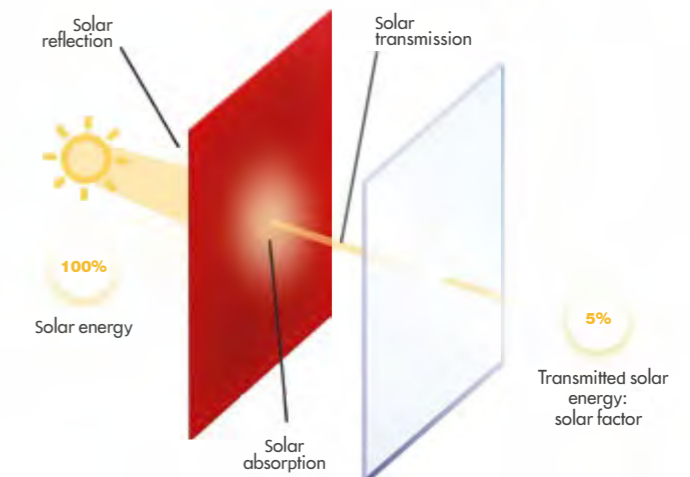
Values provided for information using colour ref. Soltis Master 99-2068 (EN 14501)

## External solar protection: thermal comfort

Solar protection effectively combats overheating by preventing thermal radiation from reaching the window and thus the inside of the room. It also effectively protects against glare and promotes the user's visual comfort.

Installed externally, the Soltis Perform 92-2045 screens inhibit 95% of the thermal radiation. A real benefit in terms of user comfort and energy saving.

External protection with Soltis Perform 92-2045 (see Design Guide)



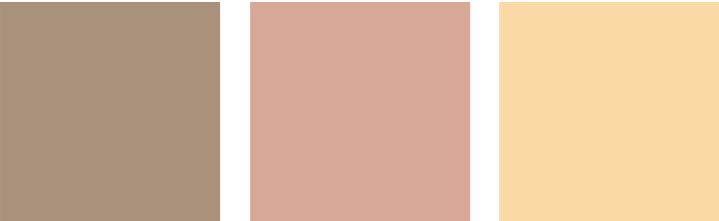
Values provided for information based on colour ref. Soltis Perform 92-2045 (EN 14501)

Refer to our technical documentation for further information.

# Internal solar protection



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- Roller blinds
- Vertical strip blinds
- Japanese panels



©Andres Liverani

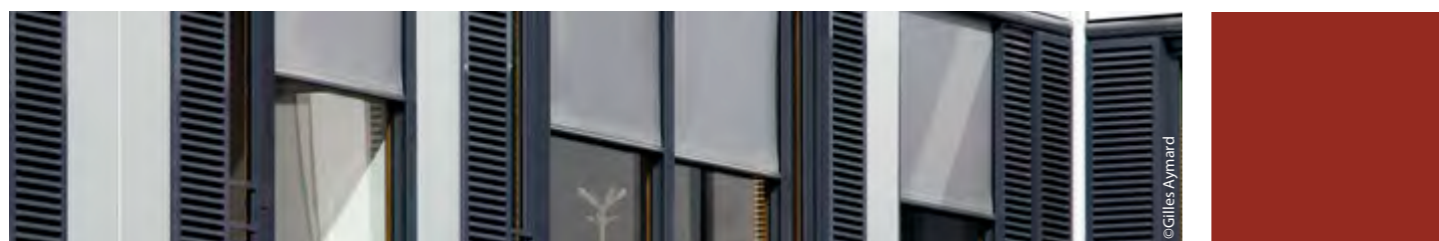


©Francis Amand

# External solar protection



- Facade awnings
- Retractable awnings
- Glassroof blinds
- Sliding panels



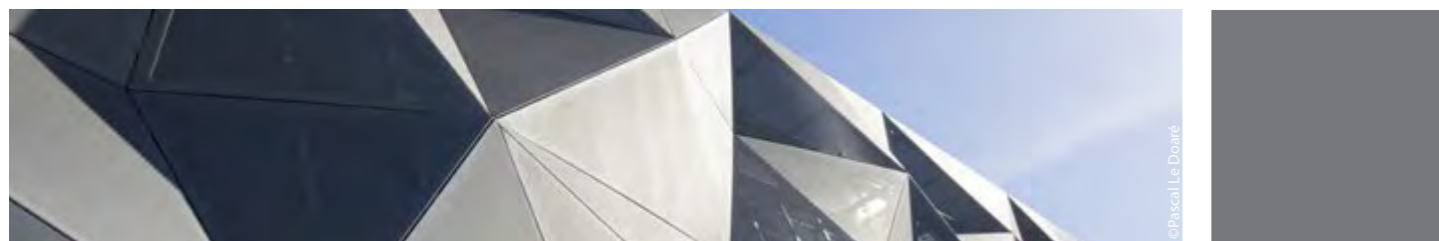
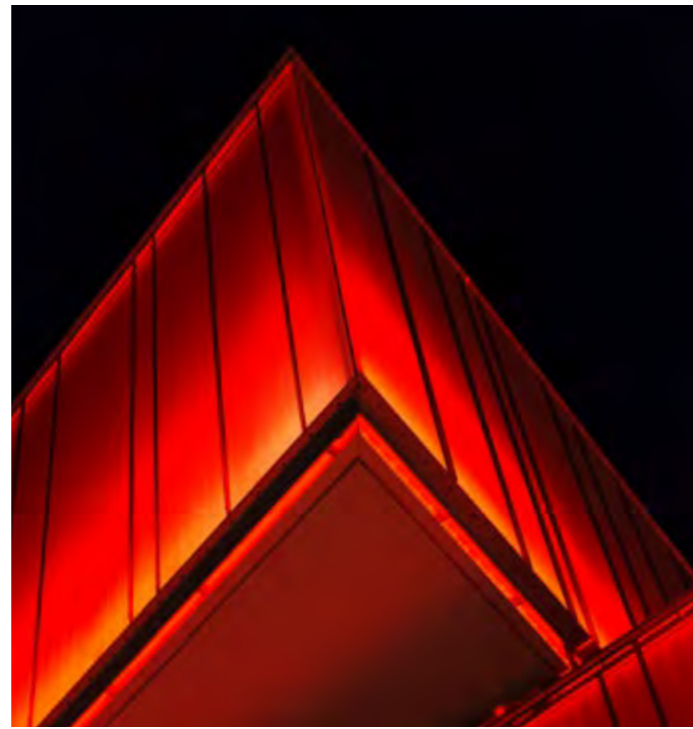
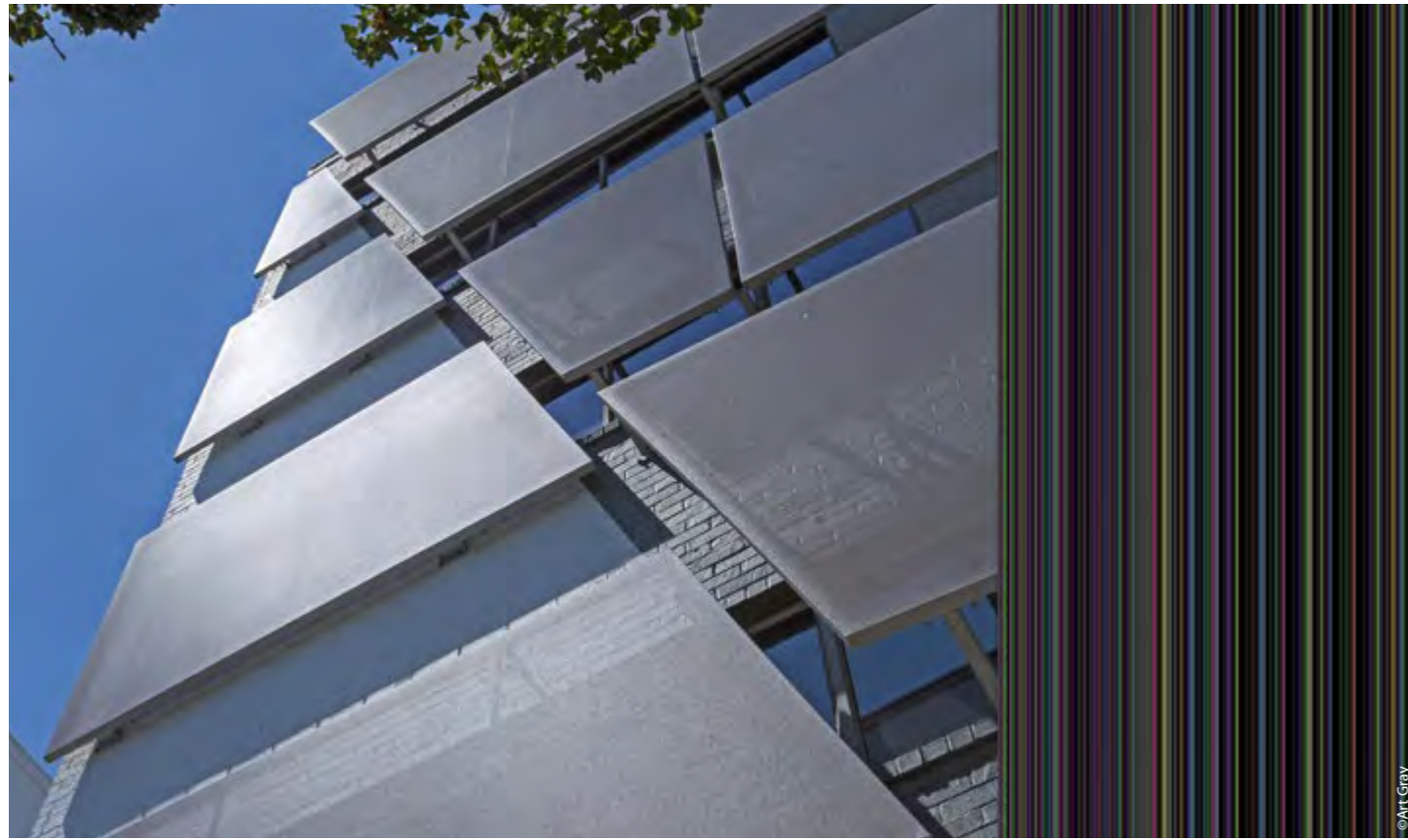
# Terrace



- Pergolas and velums
- Vertical pergola blinds
- Terrace awnings
- Roller valances
- Fixed shade sails
- Conservatory blinds



# Bioclimatic facade



Facade covering  
Fixed sun breakers  
Claddings for balconies  
Claddings of technical units



# Selection guide

## Internal solar protection

<i>I wish</i>						
Roller blinds	Soltis Master 99	Soltis Harmony 88	Soltis Feel 99 LowE Soltis Safe SK20	Soltis Opaque B99 Soltis Opaque B990	Soltis Touch	Soltis Touch
Vertical strip blinds	Soltis Master BV99	Soltis Master BV99	Soltis Master BV99	-	Soltis Touch	Soltis Touch
Japanese panels	Soltis Master 99	Soltis Harmony 88	Soltis Feel 99 LowE Soltis Master 99	Soltis Opaque B99 Soltis Opaque B990	Soltis Touch	Soltis Touch

## External solar protection

<i>I wish</i>						
Facade awnings	Soltis Perform 92 Soltis Lounge 96	Soltis Horizon 86 Soltis Harmony 88	Soltis Perform 92 Soltis Lounge 96	Soltis Opaque B92 Soltis Opaque B702	-	Soltis Perform 92
Retractable awnings	Soltis Perform 92 Soltis Lounge 96	Soltis Horizon 86 Soltis Harmony 88	Soltis Perform 92 Soltis Lounge 96	Soltis Opaque B92 Soltis Opaque B702	Soltis Proof W96 Soltis Proof 502	Soltis Perform 92 Soltis Proof 502
Glassroof blinds	Soltis Perform 92 Soltis Lounge 96	Soltis Horizon 86 Soltis Harmony 88	Soltis Perform 92 Soltis Lounge 96	Soltis Opaque B92 Soltis Opaque B702	-	Soltis Perform 92
Sliding panels	Soltis Perform 92	Soltis Horizon 86	Soltis Perform 92	Soltis Opaque B92 Soltis Opaque B702	-	-

### Je recherche

... to protect from glare and to ensure privacy.	... acoustic comfort.
... to promote natural light contribution and outward visibility.	... absolute watertightness.
... to protect from heat.	... an ultra-strong material.
... total darkness.	... a wide range of colours.
... a design aspect.	... graphic customisation.

## Terrace

<i>I wish</i>						
Pergolas and velums	Soltis Lounge 96 Soltis Perform 92	Soltis Perform 92 Soltis Lounge 96	Soltis Proof 502	Soltis Opaque 622 Soltis Opaque 6002	Soltis Harmony 88 Soltis Horizon 86	Soltis Lounge 96 Soltis Perform 92 Soltis Proof 502
Vertical pergola blinds	Soltis Lounge 96 Soltis Perform 92	Soltis Elite Soltis Perform 92	-	Soltis Opaque 6002 Soltis Opaque B92	Soltis Horizon 86 Soltis Harmony 88	Soltis Lounge 96 Soltis Perform 92
Terrace awnings	Soltis Lounge 96	Soltis Elite	Soltis Elite	-	Soltis Lounge 96	Soltis Elite Soltis Lounge 96
Roller valances	Soltis Harmony 88	Soltis Harmony 88	-	-	Soltis Horizon 86	Soltis Horizon 86
Fixed shade sails	Soltis Lounge 96 Soltis Perform 92	Soltis Proof 502	Soltis Proof 502	Soltis Opaque 622	Soltis Horizon 86 Soltis Lounge 96	Soltis Proof 502 Soltis Perform 92
Conservatory blinds	Soltis Lounge 96 Soltis Perform 92	Soltis Elite Soltis Perform 92	Soltis Elite	Soltis Opaque 6002 Soltis Opaque B92	Soltis Horizon 86 Soltis Harmony 88	Soltis Lounge 96 Soltis Perform 92

## Bioclimatic facade

<i>I wish</i>						
Facade covering	Frontside View 381	Frontside View 381	Frontside Print 371 Frontside View 381	Frontside View 381	Frontside View 381	Frontside View 381
Fixed sun breakers	Frontside View 381	Frontside View 381	Frontside Print 371 Frontside View 381	Frontside View 381	Frontside View 381	Frontside View 381
Claddings for balconies	Frontside View 381	Frontside View 381	Frontside Print 371 Frontside View 381	Frontside View 381	Frontside View 381	Frontside View 381
Claddings of technical units	Frontside View 381	Frontside View 381	Frontside Print 371 Frontside View 381	Frontside View 381	Frontside View 381	Frontside View 381

For information, the entire Soltis range is printable.

# Colours and design

## Microperforated materials

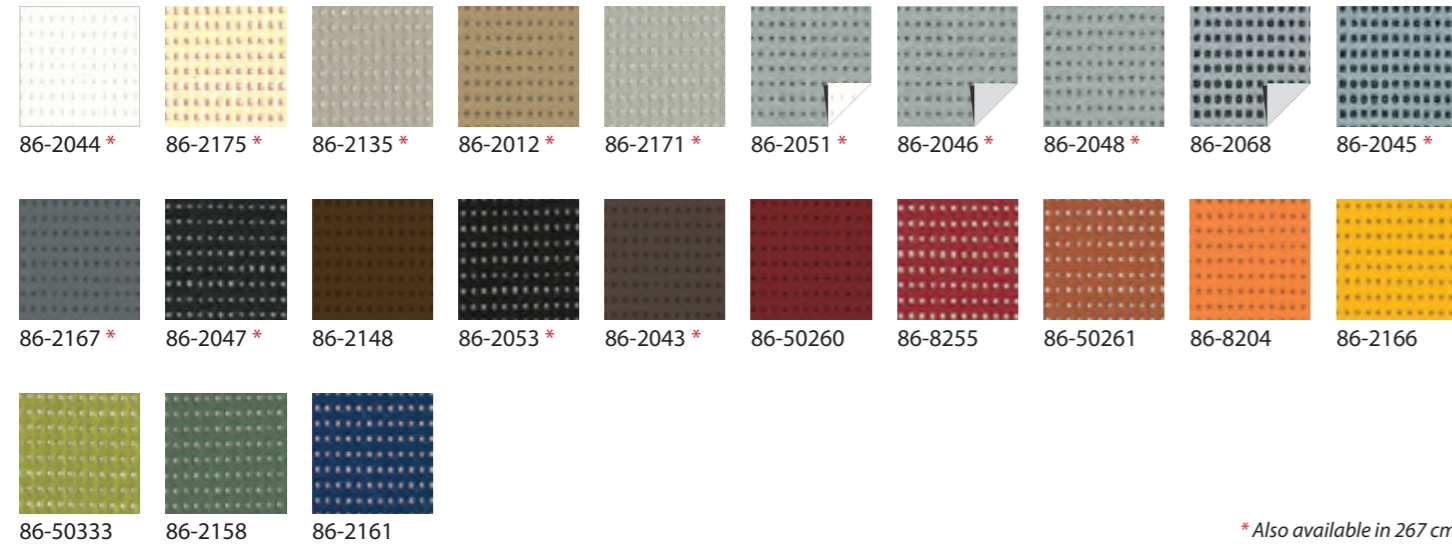
The colours and textures represented in this document are provided as a reference only

### Soltis

Horizon 86

External and internal

Widths 177 cm - 267 cm



\* Also available in 267 cm

### Soltis

Harmony 88

External and internal

Widths 177 cm - 267 cm



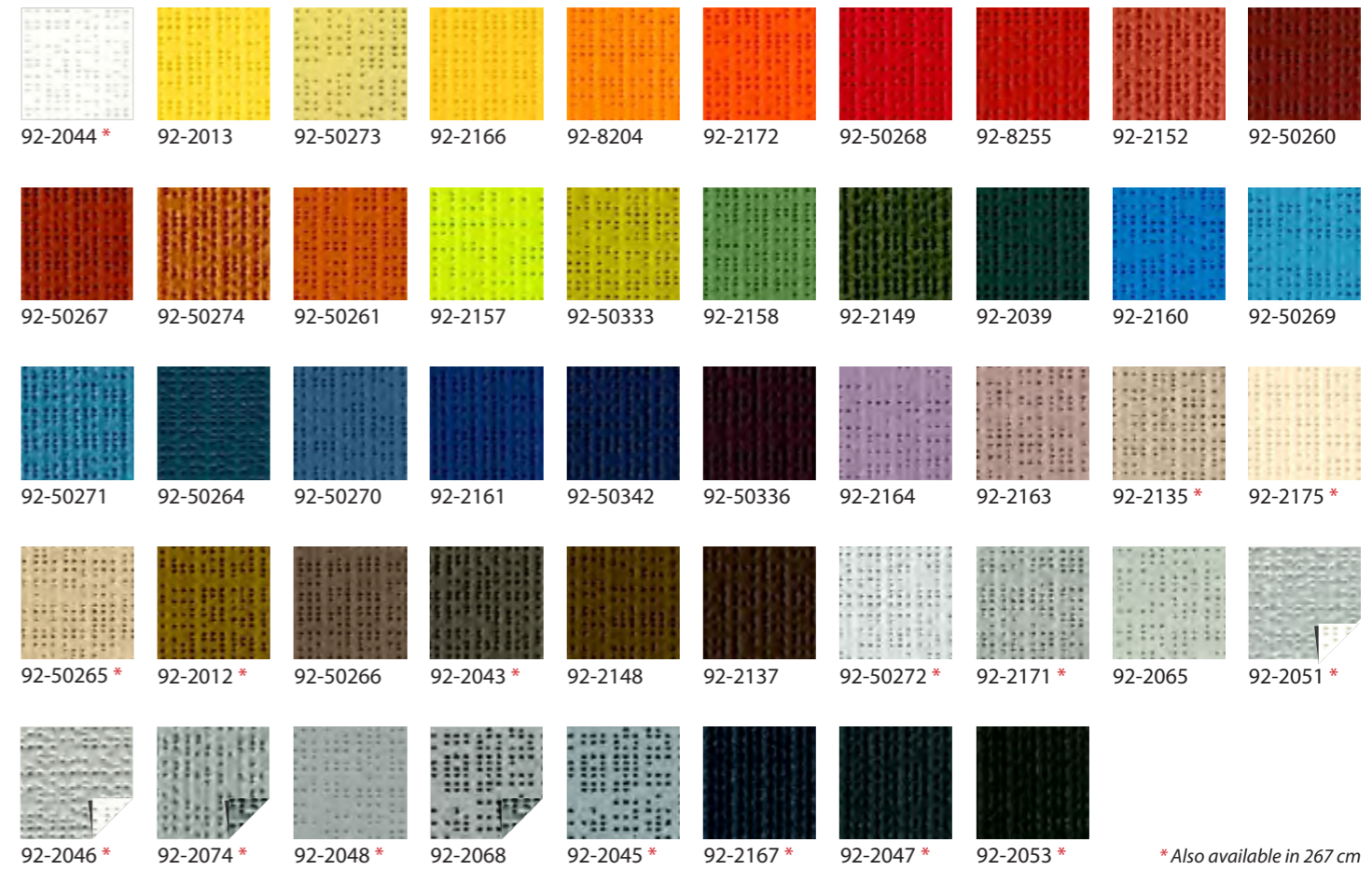
\* Also available in 267 cm

### Soltis

Perform 92

External and internal

Widths 177 cm - 267 cm



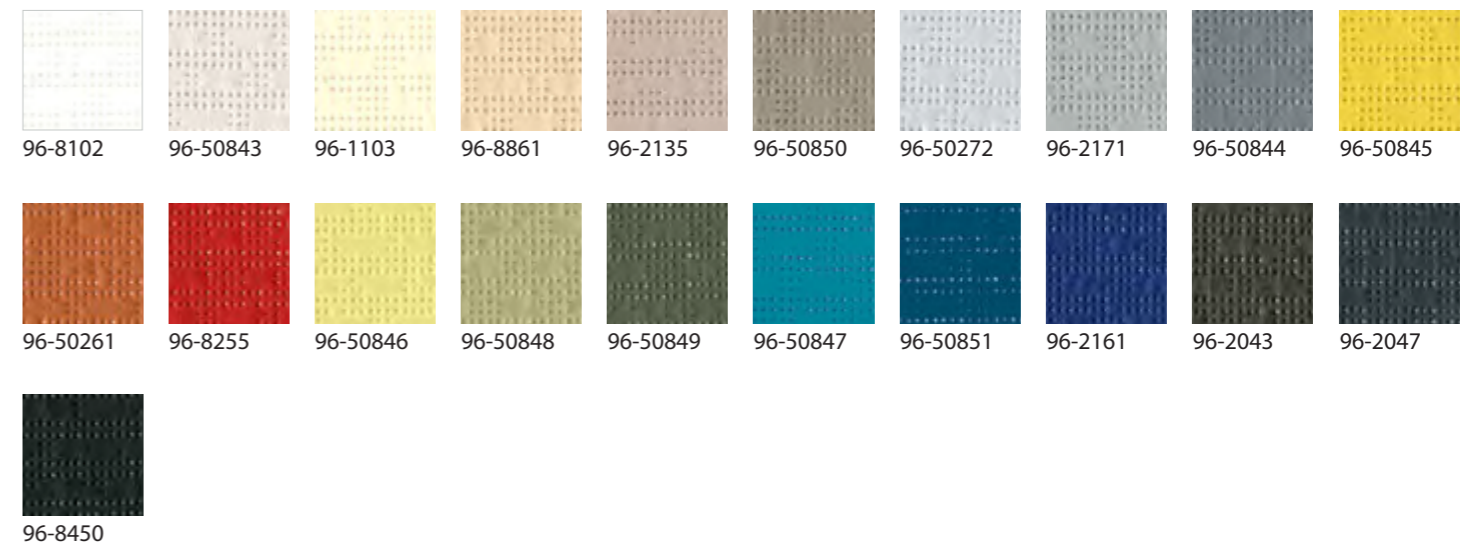
\* Also available in 267 cm

### Soltis

Lounge 96

External

Widths 120 cm - 267 cm



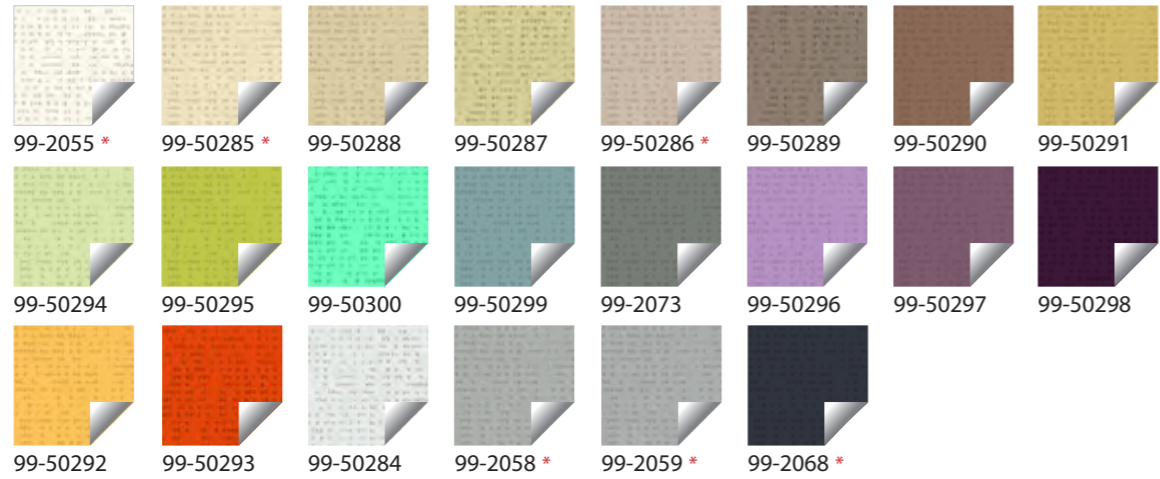
# Soltis

Master 99

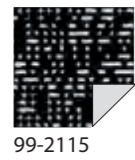
■ Colour / Colour



■ Colour / Alu



■ Colour / White



\* Also available in 267 cm

# Black-out materials

## Soltis

Opaque B92

External and internal

Width 170 cm

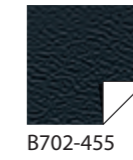


## Soltis

Opaque B702

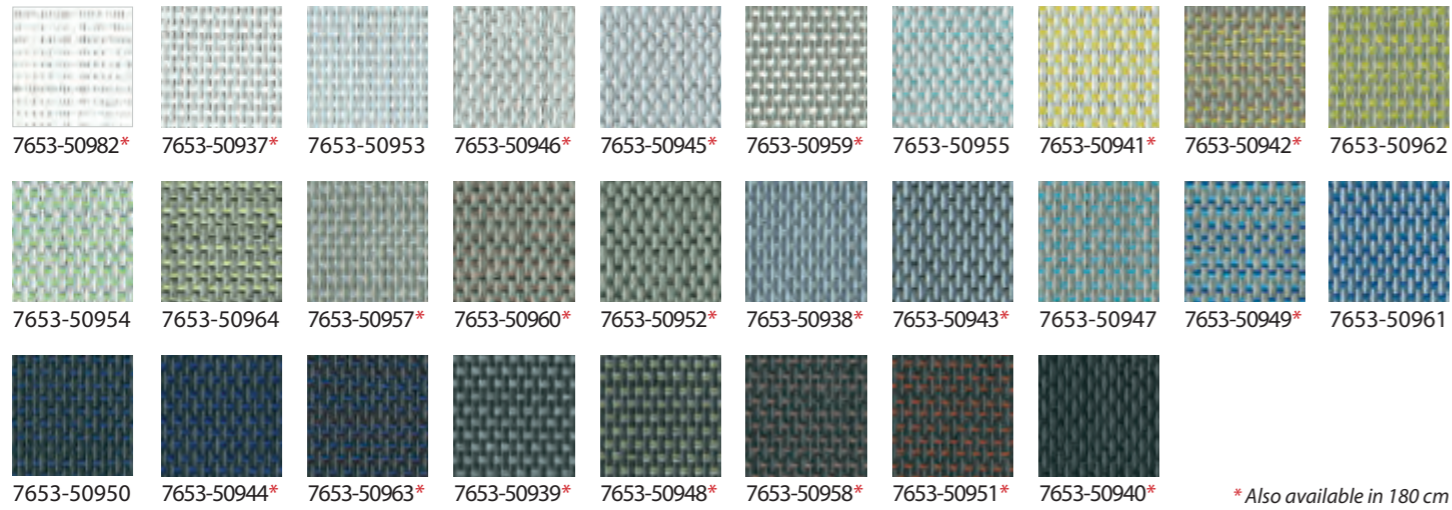
External and internal

Width 177 cm



# Soltis

Touch



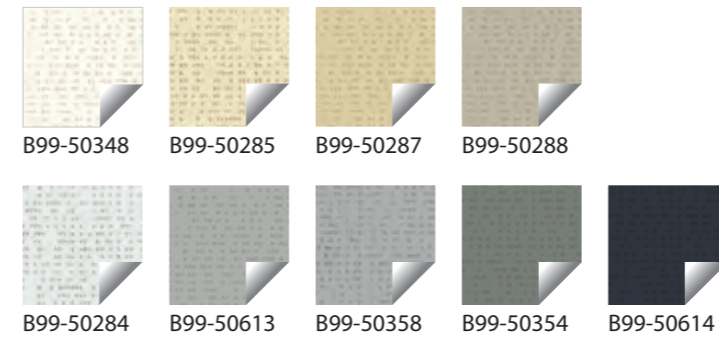
\* Also available in 180 cm

## Soltis

Opaque B99

Internal

Width 170 cm



## Soltis

Opaque B990

Internal

Width 170 cm

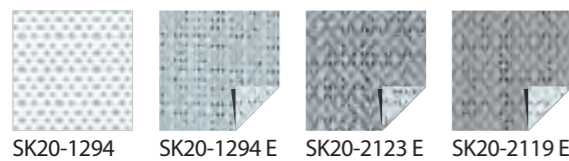


# Soltis

Safe SK20

Internal

Width 262 cm

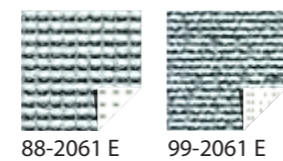


# Soltis

Feel LowE

Internal

Width 177 cm

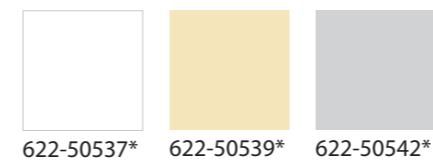


# Soltis

Opaque 622

External

Widths 250 cm - 267 cm



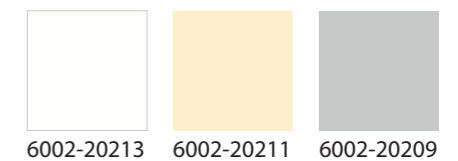
\* Matt finish

# Soltis

Opaque 6002

External

Width 260 cm



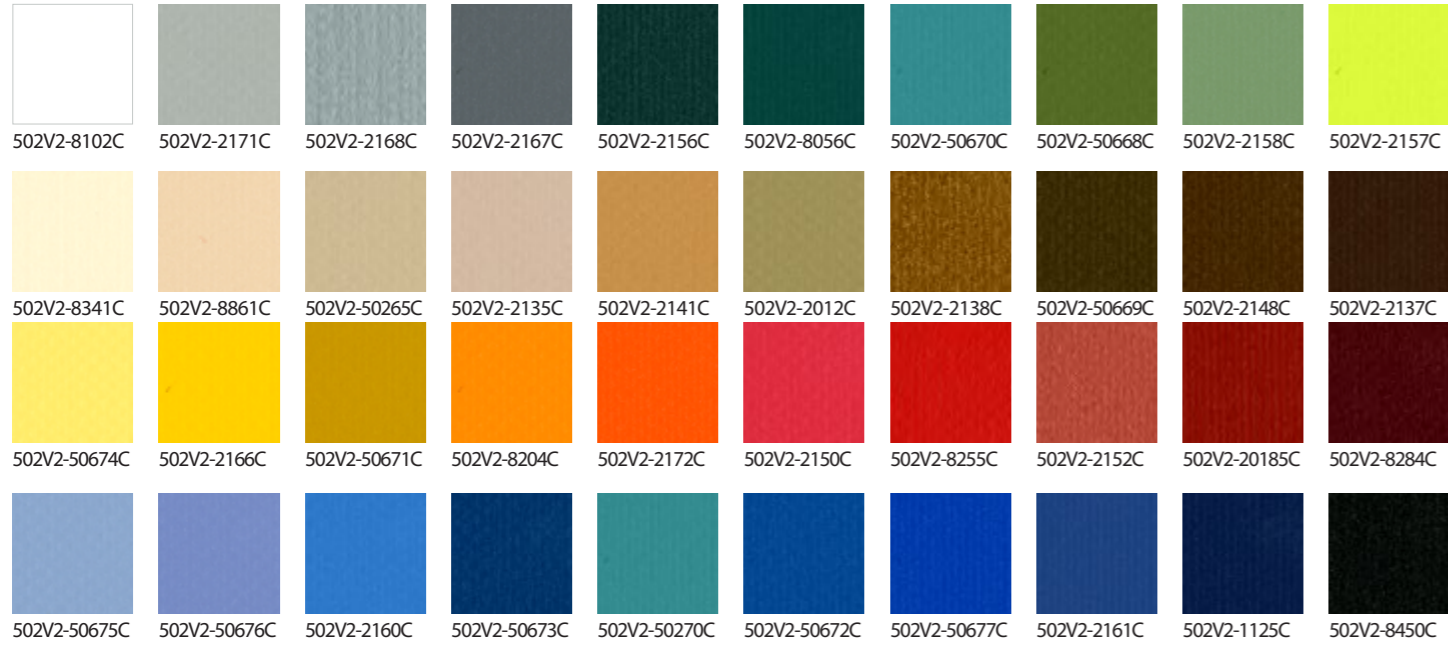
## Translucent waterproof materials

### Soltis

Proof 502

External

Width 180 cm

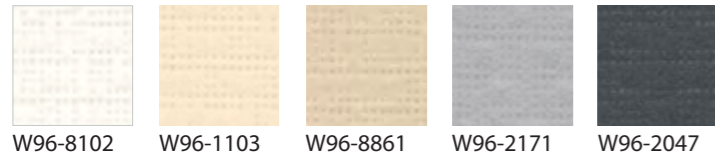


### Soltis

ProofW96

External

Width 267 cm

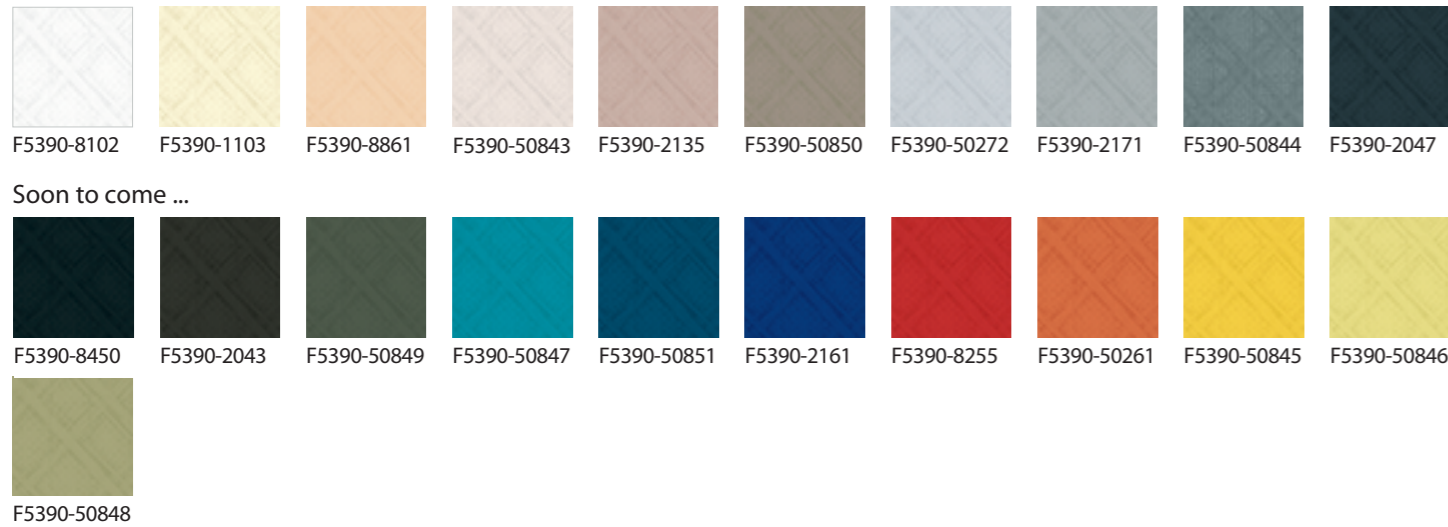


### Soltis

Elite

External

Width 120 cm



## Bioclimatic facade

### Frontside

Print 371

External and fixed only

Width 267 cm



### Frontside

View 381

External and fixed only

Width 267 cm

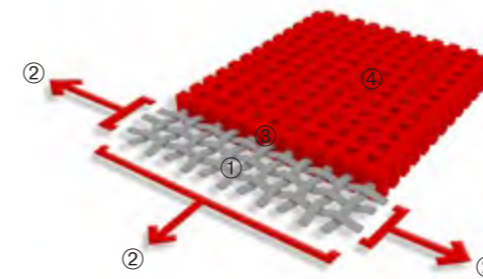


# Précontraint® technology

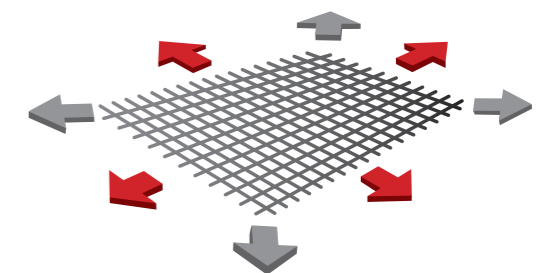
## Serge Ferrari's technology makes all the difference

Patented worldwide, the Précontraint® Serge Ferrari technology involves keeping the composite under tension throughout the manufacturing cycle. It gives our materials exceptional performance that enable them to surpass market standards in terms of dimensional stability, mechanical strength, coating thickness and flatness.

High-tenacity polyester micro-yarn base cloth	1	Superior elongation and tear resistance
A coating with fabrics under bi-axial constant tension in both warp and weft directions	2	No deformation during processing and use
Greater coating at the top of the yarns and a dirt resistant surface treatment	3	Superior aesthetic and mechanical durability
Exceptional flatness and thinness	4	Smooth finish easy to clean, space saving, easy rolling



Bi-axial tension



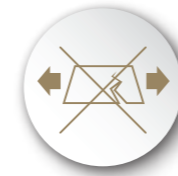
True grain perfectly respected from one production run to the next  
Low elongation capacity



# Guaranteed quality

**Serge Ferrari** offers a wide range of screens and waterproof membranes, ensuring benefit from the best in solar protection in every climate.

## Tearing strength



Précontraint® **Serge Ferrari** technology and micro-yarn weaving quality ensure the **high deformation resistance and tearing strength** of Serge Ferrari materials.

## Deformation resistance



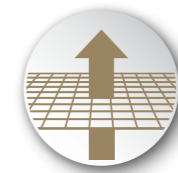
**Serge Ferrari** materials **stretch three times less** than coated textiles or conventional fabrics.

## Waterproofing



**Serge Ferrari** waterproof membranes are a barrier to moisture. Their **100% watertightness results from Précontraint® coating technology** and they remain durably watertight. They resist harsh climatic conditions and conserve their strength and aesthetic properties in the long term.

## Microperforation ensures heat dissipation



Soltis microperforated screens allow continuous **natural ventilation to limit heat build-up beneath or behind a blind.**

# Guaranteed quality

## Service life



A **coating thickness** that covers the tops of the yarns and a material **weight lighter** than a conventional coated textile ensure that **Serge Ferrari membranes conserve their strength qualities in the long term**; a key factor in installation durability.

## Colourfastness



**Serge Ferrari** screens and membranes are **dope-dyed**, guaranteeing their long-term colourfastness. The quality of the polymers and pigments used in their manufacturing ensures **exceptional colour stability, when subjected to UV radiation and bad weather**.

## Optimum rolling



### **Compactness**

Soltis screens are known for their **thinness** compared with conventional materials; Soltis material compactness represents an approximately 30% reduction in spatial requirement. **Soltis blinds therefore fit easily into small casings** to give greater discretion and allow higher blinds to be rolled.

### **Rolling quality**

**Précontraint® Serge Ferrari patented technology** ensures the material's **perfect flatness and facilitates blind rolling performance**.

## Fire resistance



The fire resistance of **Serge Ferrari** materials is **certified worldwide and they are Euroclass-rated in Europe**. They can be safely installed in buildings receiving the public and in private homes.

# Guaranteed quality

## Easy upkeep - for long aesthetic



Thanks to their continuously smooth surface that conserves their long-term aesthetics, **Serge Ferrari materials resist aggressive climatic conditions and are easy to clean**.



Serge Ferrari recommends regular cleaning using Cleaner 500 detergent, specially designed for Soltis screens and Serge Ferrari membranes. Cleaner 500 facilitates regular cleaning and is ready-to-use in spray form.

*Simple cleaning procedure:*

1. *Spray Cleaner 500.*
2. *Leave it to act (2 - 3 mins depending on degree of dirtiness).*
3. *Scrub gently with a soft brush or wipe with a clean rag.*
4. *Rinse with water or wipe with a damp sponge.*

## Certified products

**Serge Ferrari** materials have been granted the highest Greenguard certification levels and A+ certification, vouching for **low volatile organic compound (VOC) emission**, which is often required for ensuring indoor air quality.



A+ Certification



Greenguard Certification



