# SOLTIS
## 86

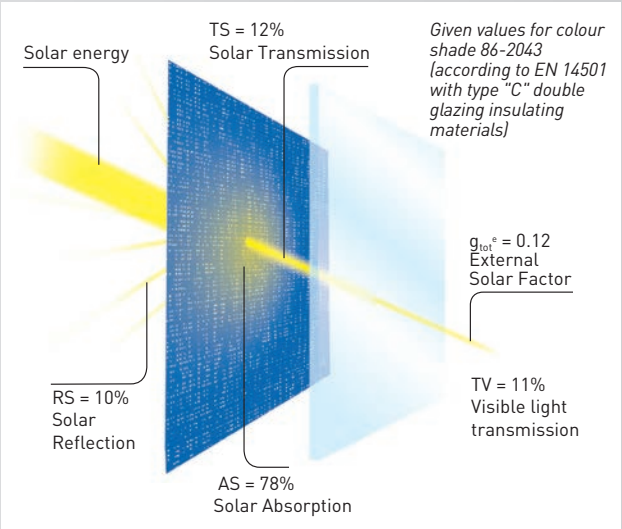
Serge Ferrari

## MAIN FEATURES

- Perfect compromise between thermal protection and visual comfort
- Excellent outward visibility
- Weather and UV resistance
- Lightweight, durable and 100% recyclable

## APPLICATIONS

- Facade blinds
- Conservatory and glassroof blinds
- Shadesails




Installed externally, Soltis 86 blocks up to 88% of the solar radiation

## Thermal protection and light control

Soltis 86 offers a mesh opening, ideal for combining:

- efficient solar protection,
- sufficient natural light contribution to ensure occupier well-being.

Soltis 86 therefore plays a full part in:

- building thermal control,
- creating pleasant, appropriate light environments.

Seamless large dimensions possible

## Matchless transparency

Soltis 86's micro-ventilated texture ensures:

- excellent visual contact with the exterior: the view is not hidden,
- visual comfort appreciated in many architectural situations.

Colour harmony for combining blinds, textile facades and permanent awnings

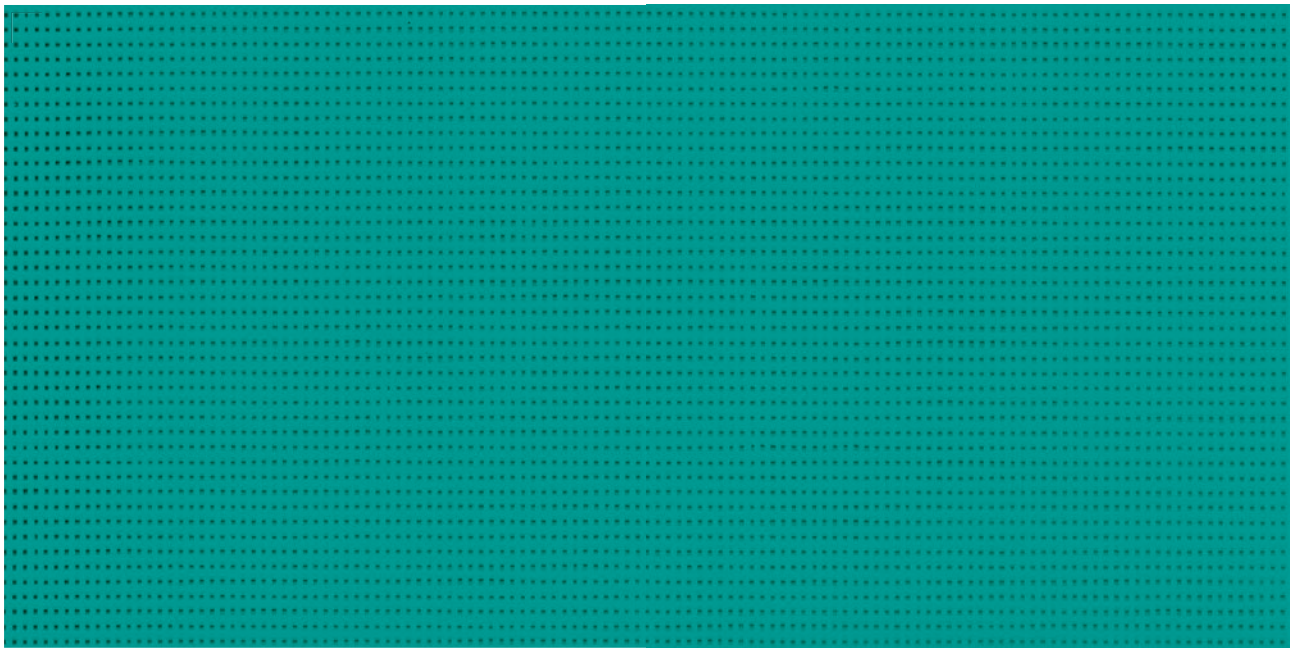
## Harmonised ranges

All Soltis 86 colours are coordinated with Soltis 92 to:

- coordinate all facades of a building,
- satisfy visual comfort requirements for each facade orientation,
- regulate thermal protection to provide energy savings.

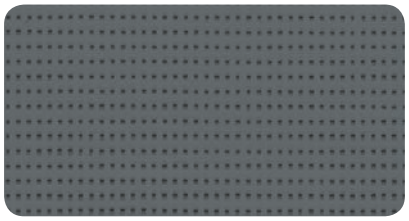
SOLTIS
86

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

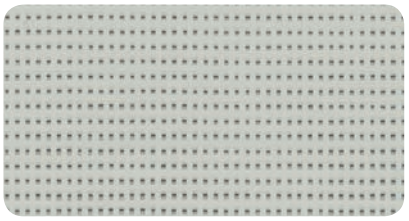


**Intense turquoise** 86-50271

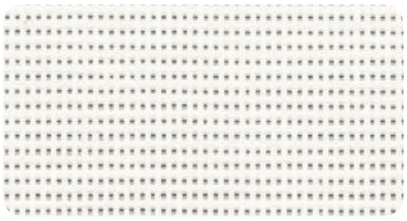
## Emerging colours



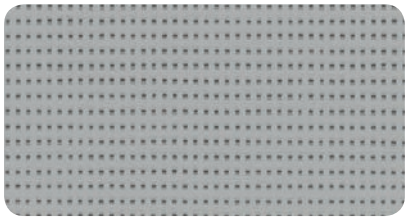
**Concrete** 86-2167



**Boulder** 86-2171*



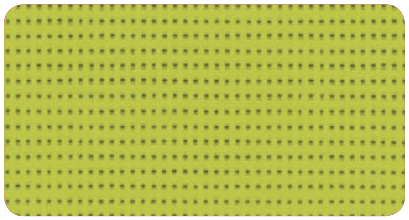
**White** NF 86-2044*



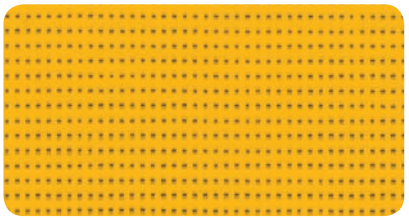
**Alu/Alu** NF 86-2048

**Alu/Oat** NF 86-2046*

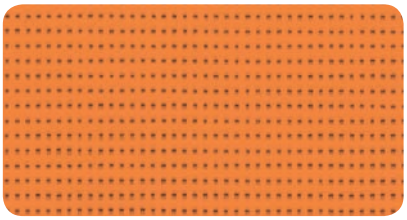
## Design illusion



**Bamboo** 86-50333



**Buttercup** 86-2166

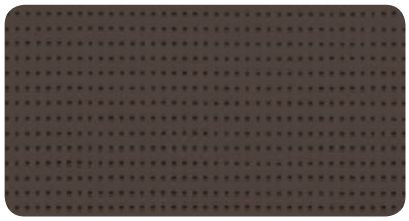


**Orange** 86-8204

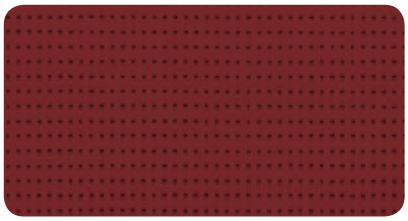
**Plum** 86-50336

* Also available in 267 cm width

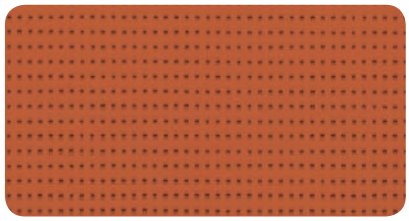
# Evolving with time



**Bronze** NF 86-2043*

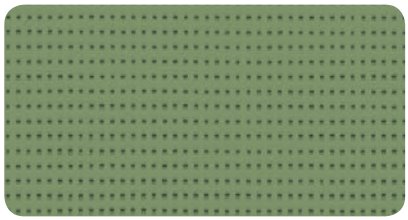


**Muscat** 86-50260



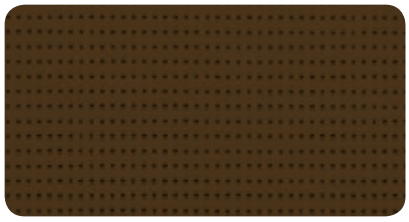
**Caramel** 86-50261

**Intense turquoise** 86-50271

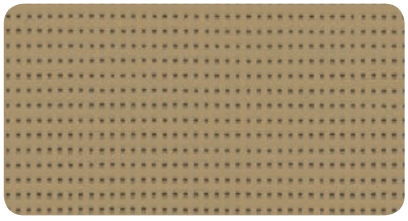


**Moss green** 86-2158

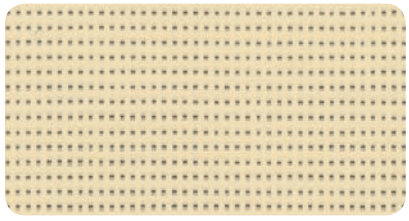
# Body language



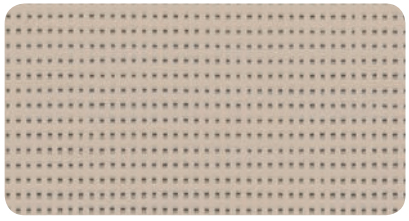
**Cocoa** 86-2148



**Pepper** 86-2012*

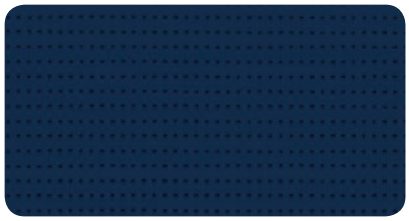


**Champagne** 86-2175



**Sandy beige** 86-2135*

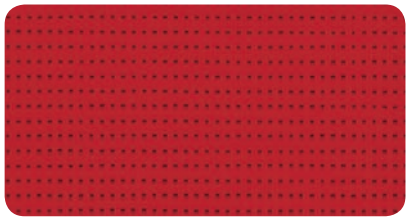
# Distinction



**Navy** 86-50342

**Midnight blue** 86-2161

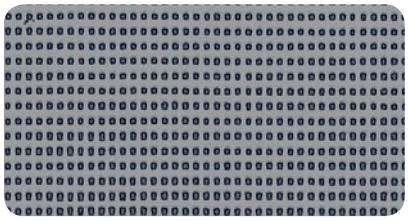
**Dark teal** 86-50264



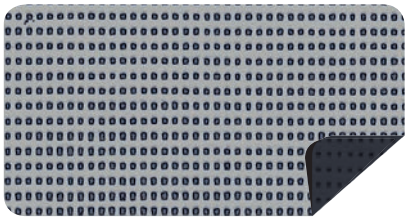
**Red** 86-8255

**Black** NF 86-2053*

**Anthracite** NF 86-2047*

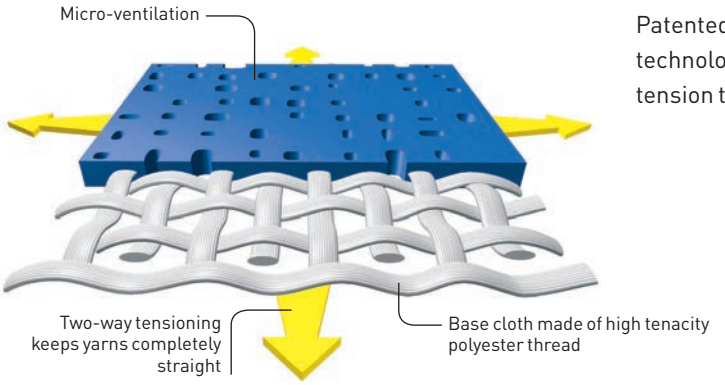


**Beaten-metal** NF 86-2045*



**Alu/Anthracite** 86-2068

# Exclusive **Précontraint Serge Ferrari®** technology




Patented worldwide, Précontraint Serge Ferrari® technology involves keeping the composite under tension throughout the manufacturing cycle.

| Strength characteristics | Benefits |
|---|---|
| • Exceptional dimensional stability | • **No material deformation during installation or usage** |
| • Long-term strength | • **No elongation, tear resistant** |
| • Greater coating thickness at the top of the yarns | • **Long-term strength and aesthetic quality**<br>• **Thinness** |
| • Exceptional flatness | • **Smooth finish, easy maintenance**<br>• **Compactness, easy rolling** |

# NF Toiles certification

- The French "NF Toiles" label guarantees that Soltis 86 maintain a high level of quality and homogeneity.
- Certified references meet thermo-optical, strength and durability requirements stipulated for the "NF Toiles" label.
- Certification application pending for new colours (solar and light properties quoted provisionally).

# Solar and light properties (EN 14501)

| References | | TS | RS | AS | TV n-h | TV n-n | $g_{tot}^{e}$ | $g_{tot}^{i}$ | NCS Codification |
|---|---|---|---|---|---|---|---|---|---|
| 86-2012 | | 18 | 27 | 55 | 17 | 16 | 0.15 | 0.48 | S 4010 Y 30 R |
| 86-2043 | | 12 | 10 | 78 | 11 | 13 | 0.12 | 0.53 | - |
| 86-2044 | | 32 | 59 | 9 | 30 | 14 | 0.21 | 0.38 | S 0500 N |
| 86-2045 | | 14 | 29 | 57 | 14 | 13 | 0.12 | 0.47 | - |
| 86-2046 | A | 21 | 43 | 36 | 20 | 14 | 0.16 | 0.43 | - |
| 86-2046 | B | 19 | 58 | 23 | 19 | 14 | 0.14 | 0.38 | - |
| 86-2047 | | 16 | 7 | 77 | 16 | 15 | 0.14 | 0.54 | - |
| 86-2048 | | 22 | 42 | 36 | 22 | 16 | 0.17 | 0.43 | - |
| 86-2053 | | 15 | 5 | 80 | 15 | 13 | 0.14 | 0.54 | S 8500 N |
| 86-2068 | A | 16 | 35 | 49 | 15 | 15 | 0.13 | 0.45 | - |
| 86-2068 | B | 16 | 7 | 77 | 15 | 15 | 0.14 | 0.54 | - |
| 86-2135 | | 20 | 41 | 39 | 20 | 16 | 0.15 | 0.43 | S 2005 Y 50 R |
| 86-2148 | | 14 | 13 | 73 | 14 | 13 | 0.13 | 0.52 | S 7010 Y 30 R |
| 86-2158 | | 15 | 25 | 60 | 14 | 12 | 0.13 | 0.48 | S 4020 G 30 Y |
| 86-2161 | | 16 | 17 | 67 | 14 | 14 | 0.14 | 0.51 | S 5040 R 80 B |
| 86-2166 | | 30 | 45 | 25 | 26 | 15 | 0.21 | 0.42 | S 0570 Y 10 R |
| 86-2167 | | 15 | 17 | 68 | 14 | 13 | 0.13 | 0.51 | S 6005 R 80 B |
| 86-2171 | | 19 | 39 | 42 | 17 | 14 | 0.15 | 0.44 | S 2502 B |
| 86-2175 | | 28 | 57 | 15 | 26 | 14 | 0.19 | 0.39 | S 0505 Y 20 R |
| 86-8204 | | 27 | 41 | 32 | 19 | 14 | 0.19 | 0.44 | S 0585 Y 40 R |
| 86-8255 | | 23 | 24 | 53 | 17 | 16 | 0.18 | 0.49 | S 1580 Y 90 R |
| 86-50260 | | 15 | 13 | 72 | 14 | 13 | 0.14 | 0.52 | S 5040 R |
| 86-50261 | | 21 | 35 | 44 | 15 | 14 | 0.16 | 0.45 | S 3050 Y 60 R |
| 86-50264 | | 17 | 11 | 72 | 16 | 16 | 0.15 | 0.52 | S 6030 B 30 G |
| 86-50271 | | 21 | 34 | 45 | 15 | 14 | 0.16 | 0.46 | - |
| 86-50333 | | 22 | 32 | 46 | 19 | 15 | 0.17 | 0.46 | S 2070 G 70 Y |
| 86-50336 | | 19 | 15 | 66 | 15 | 14 | 0.16 | 0.51 | S 7020 R 30 B |
| 86-50342 | | 16 | 9 | 75 | 14 | 14 | 0.14 | 0.53 | S 2020 R 80 B |

**A:** Aluminium face exposed to the sun
**B:** Coloured face exposed to the sun

**TS:** Solar Transmission (%)
**RS:** Solar Reflection (%)
**AS:** Solar Absorption (%)
**TS + RS + AS =** 100% of incident energy
$g_{tot}^{e}$: External solar factor
$g_{tot}^{i}$: Internal Solar Factor
Type "C" glazing: insulating, slightly emissive double glazing in position 3 (4 + 16 + 4; argon-filled).

**TV n-h:** Normal-hemispherical visible light transmission (%)
**TV n-n:** Normal-normal visible light transmission (%)

# SOLTIS 86

| Technical properties | Soltis 86 | Standards |
|---|---|---|
| Weight | 380 g/m² | EN ISO 2286-2 |
| Thickness | 0.43 mm | |
| Width | 177 cm - 267 cm | |
| **Length of rolls** | | |
| Standard format length in 177 cm | 50 lm | |
| Standard format length in 267 cm | 40 lm | |
| **Physical properties** | | |
| Tensile strength (warp/weft) | 230/160 daN/ 5 cm | EN ISO 1421 |
| Tear strength (warp/weft) | 45/20 daN | DIN 53.363 |
| Fungistatic treatment | Degree 0, excellent | EN ISO 846-A |
| **Flame retardancy** | | |
| Rating | **B1**/DIN 4102-1 • BS 7837 • BS 5867 • **Schwerbrennbar-Q1-Tr1**/ONORM A 3800-1 • **Classe 1**/UNI 9177-87 • **M1**/UNE 23.727-90 • **VKF 5.2**/SN 198898 • 1530.3/**AS**/NZS • **G1**/GOST 30244-94 • **Method 1**/NFPA 701 • CSFM T19 • **Class A**/ASTM E84 | |
| Euroclass | **B-s2,d0/**EN 13501-1 | |
| **Management systems** | | |
| for Quality | | ISO 9001 |
| for the Environment | | ISO 14001 |
| **Certifications, labels, guarantees, recycling** | | |

The technical data above are averaged values with a +/- 5% tolerance.
The buyer of our products is fully responsible for their application and their transformation with regard to any possible third party. The buyer of our products is responsible for their implementation and installation according to the standards, workmanship and safety regulations in force in destination countries. For information on our contractual warranty, please refer to the relevant terms and conditions.
The values quoted above represent results of tests performed in compliance with common design practices and are provided for information only to enable customers to make the best use of our products. Our products are subject to changes based on technical advances and we reserve the right to modify their characteristics at any time. The buyer of our products is responsible for checking the validity of the above data.

## TOOLS AND SERVICES

- ACV and FDES (Health and Environmental Datasheet) available on request
- Personalised service for simulating your project's thermal performance and related Soltis solar protection systems: please contact your Serge Ferrari representative
- Tool for evaluating energy savings generated by Soltis solar protection systems: www.textinergie.org
- Document and photo libraries: www.sergeferrari.com

### → Contact

- Headquaters: + 33 (0)4 74 97 41 33
- Your local representative: www.sergeferrari.com

### → TEXYLOOP®

- The Serge Ferrari operational recycling chain
- Secondary raw materials of high intrinsic value compatible with multiple processes
- A quantified response to combat depletion of natural resources

www.texyloop.com

**www.sergeferrari.com**

Serge Ferrari

GB | Soltis is a Serge Ferrari sas registered trade mark.
ref. 986 • JUN 2012/ V1.01 • Jean Vasseur Communication

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Interior photos: Palais du Tau, Reims (FR) • Yendi Offices, Bulle (CH)