# SOLTIS

## 93

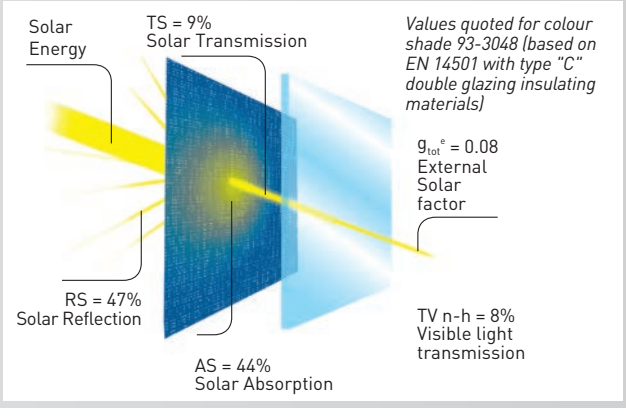
Serge Ferrari

## MAIN FEATURES

- Excellent thermal protection
- Excellent outward visibility
- Single regular texture
- Large roll width for all colours
- Lightweight, durable and 100% recyclable

## APPLICATIONS

- Facade blinds
- Conservatory and glassroof blinds
- Shadesails




Installed externally, Soltis 93 inhibits up to 92% of the sun's heat

## XXL comfort

Thanks to its micro-ventilation system, Soltis 93 material:

- evacuates heat naturally,
- allows air to circulate, efficiently curtailing the greenhouse effect,
- contributes to maintaining a constant ambient temperature inside buildings.

The user enjoys multiple benefits:

- greater thermal comfort,
- less demand on air-conditioning equipment,
- lower building operating costs.

Large size blinds, making up invisible

## The solution for large-scale projects

Available in a 2.67 m roll width, Soltis 93 is ideal for meeting the technical and aesthetic requirements of glass roof architecture:

- dimensional stability and flatness for a perfect, long-term appearance,
- thinness ensuring space saving,
- lightness to limit system weight and loads.

Colours adapted to contemporary architecture

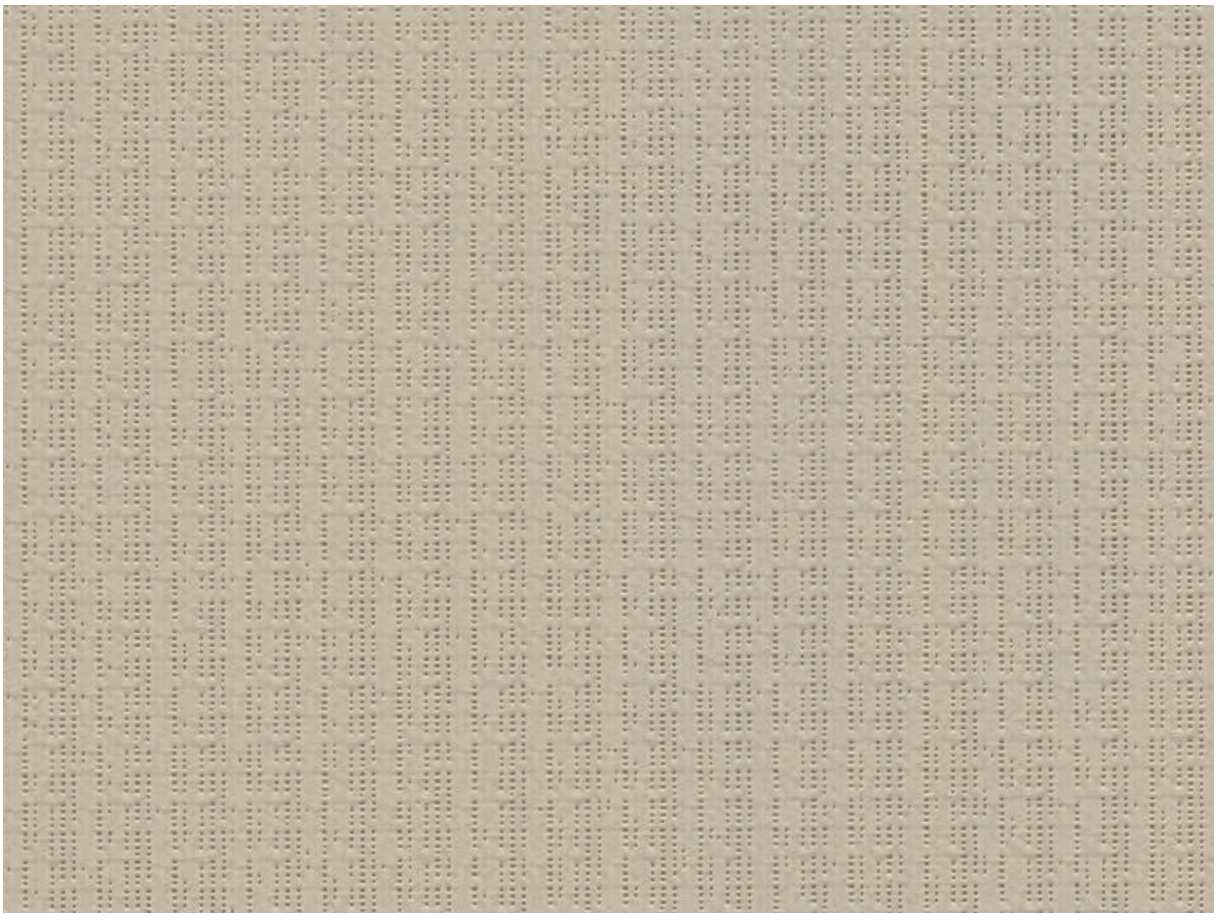
## Visual comfort and transparency

Soltis 93 texture has been designed to:

- provide natural light and a connection with the outside,
- protect from glare.

Users consequently enjoy optimum visual comfort.

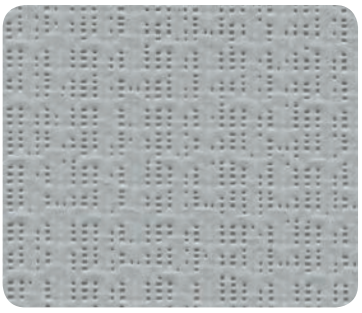
SOLTIS
93



**Beige** 93-3003

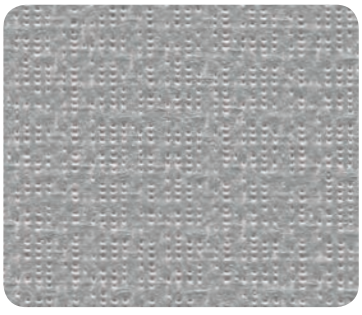
**Bronze** 93-3043

**White** NF 93-3044

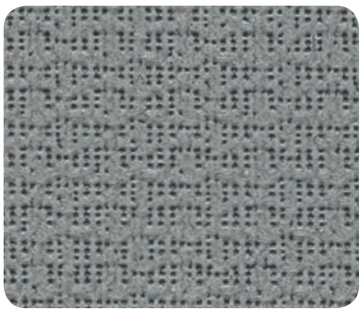


**Light grey** NF 93-3011

**Anthracite** NF 93-3047

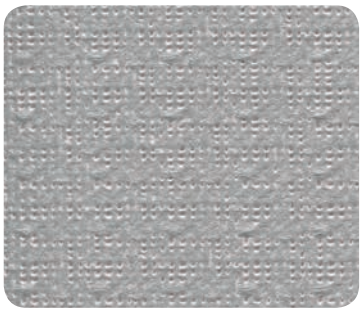


**Alu/Alu** NF 93-3048



**Beaten metal** NF 93-3045

**Black** NF 93-3053

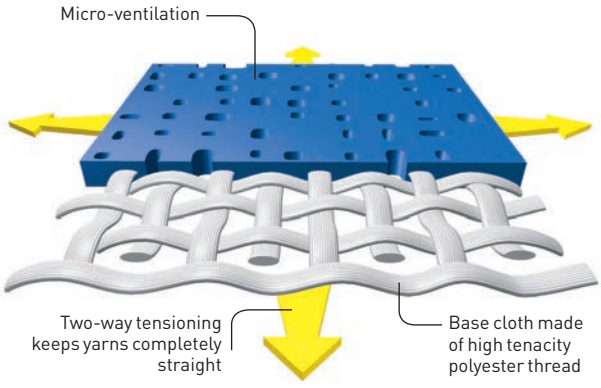


**Alu/Oat** NF 93-3046

**Alu/White** NF 93-3051

**The colours and textures represented in this digital image are provided as a reference only. Whether viewed on screen or printed, they never can accurately match the real Soltis range colours and are therefore not contractual.**

# 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** |
| • Exceptional flatness | • **Smooth surface, easy upkeep**<br>• **Easy rolling** |
| • Thinness | • **Space saving** |
| • Flexibility | • **Easy to handle and install** |

# NF Toiles certification

- The French "NF Toiles" label guarantees that Soltis 93 maintain a high level of quality and homogeneity.
- Certified references meet thermo-optical, strength and durability requirements stipulated for the "NF Toiles" label.

# Solar and light properties (EN 14501)

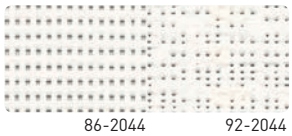
| Ref. | | TS | RS | AS | TV n-h | TV n-n | $g_{tot}^{e}$ | $g_{tot}^{i}$ |
|---|---|---|---|---|---|---|---|---|
| 93-3003 | | 14 | 48 | 38 | 11 | 6 | 0.11 | 0.41 |
| 93-3011 | | 12 | 43 | 45 | 10 | 5 | 0.10 | 0.42 |
| 93-3043 | | 6 | 13 | 81 | 6 | 5 | 0.08 | 0.52 |
| 93-3044 | | 22 | 65 | 13 | 20 | 5 | 0.15 | 0.36 |
| 93-3045 | | 7 | 32 | 61 | 7 | 6 | 0.08 | 0.46 |
| 93-3046 | A | 15 | 43 | 42 | 13 | 6 | 0.12 | 0.42 |
| 93-3046 | B | 15 | 60 | 25 | 13 | 6 | 0.11 | 0.37 |
| 93-3047 | | 7 | 8 | 85 | 7 | 6 | 0.09 | 0.53 |
| 93-3048 | | 9 | 47 | 44 | 8 | 6 | 0.08 | 0.41 |
| 93-3051 | A | 15 | 47 | 38 | 14 | 6 | 0.12 | 0.41 |
| 93-3051 | B | 15 | 65 | 20 | 14 | 6 | 0.11 | 0.35 |
| 93-3053 | | 6 | 6 | 88 | 6 | 5 | 0.08 | 0.54 |

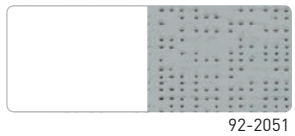
**TS:** Solar Transmission (%)
**RS:** Solar Reflection (%)
**AS:** Solar Absorption (%)
**TS + RS + AS =** 100% of incident energy
**$g_{tot}^{e}$ :** External Solar Factor
**$g_{tot}^{i}$ :** Internal Solar Factor
Type "C" glazing: insulating, slightly emissive double glazing in position 3 (4 + 16 + 4 ; argon-filled - g=0.59 - U=1.2)

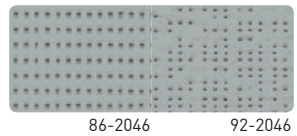
**A:** Aluminium face exposed to the sun
**B:** Coloured face exposed to the sun

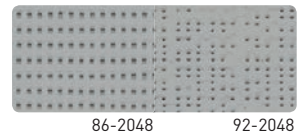
**TV n-h:** Normal-hemispherical visible light transmission (%)
**TV n-n:** Normal-normal visible light transmission (%)

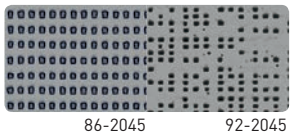
# Matching colours with SOLTIS 86 and SOLTIS 92

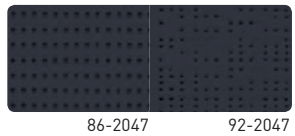

86-2044 92-2044

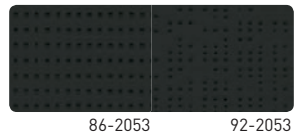

92-2051


86-2046 92-2046


86-2048 92-2048


86-2045 92-2045


86-2047 92-2047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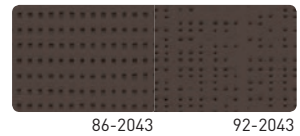
86-2043 92-2043

# SOLTIS 93

| Technical properties | Soltis 93 | Standards |
|---|---|---|
| Weight | 420 g/m² | EN ISO 2286-2 |
| Thickness | 0.45 mm | |
| Width | 267 cm | |
| **Length of rolls** | | |
| Standard format length | 40 lm | |
| **Physical properties** | | |
| Tensile strength (warp/weft) | 300/240 daN/ 5 cm | EN ISO 1421 |
| Tear resistance (warp/weft) | 40/30 daN | DIN 53.363 |
| Fungistatic treatment | Degree 0, excellent | EN ISO 846-A |
| **Flame retardancy** | | |
| Rating | **Method 1**/NFPA 701 • **B1**/DIN 4102-1 • BS 7837 • BS 5867<br>**Schwerbrennbar-Q1-TR1** /ONORM A 3800-1 • **Classe 1**/ UNI 9177-87 • CSFM T19<br>**M1**/UNE 23.727-90 • **VKF 5.3**/SN 198898 • 1530.3/**AS**/NZS • **G1**/GOST 30244-94 | |
| 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 average values with a +/-5% tolerance.
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## 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

- Headquarters: + 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

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Serge Ferrari

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