

Solar protection and perfect outward visibility



Applications

Facades of new and renovated structures
Thermal protection of buildings



■ **Unlimited creativity**

Frontside View 381: a unique solution to assert or transform a building's personality

- 15 pearly or metallic colors
- Material flexibility to bring facades to life and enhance on lighting effects
- Graphic customisation (digital or serigraphic printing on front face)

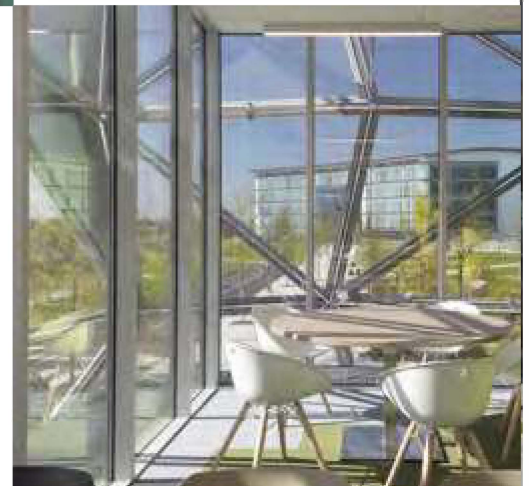
■ **Thermal and visual comfort**

- Thermal control of buildings: blocks up to 78% of solar heat

■ **Reduction of environmental impacts**

- Light bioclimatic facade
- 100% recyclable

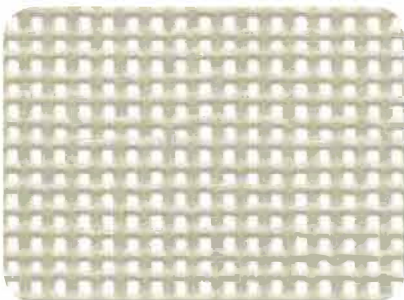
An innovative facade solution combining creativity and performance





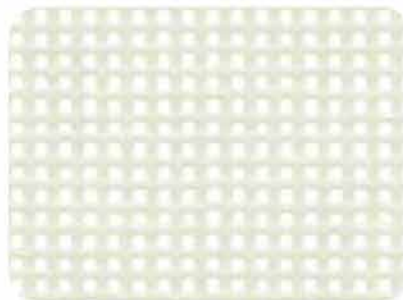
Interferential grey 267 cm

381-3121



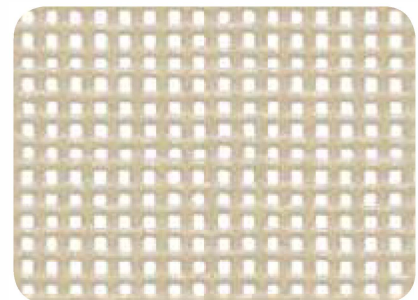
Interferential grey 267 cm

381-3121



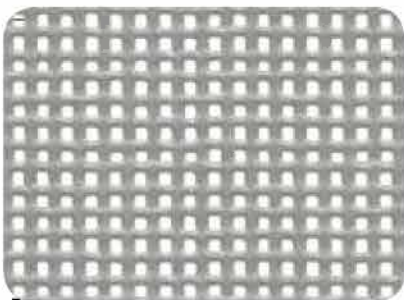
Ash-blond 267 cm

381-3109



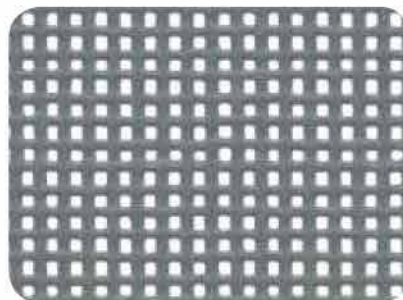
Sandy beige 267 cm

381-3123



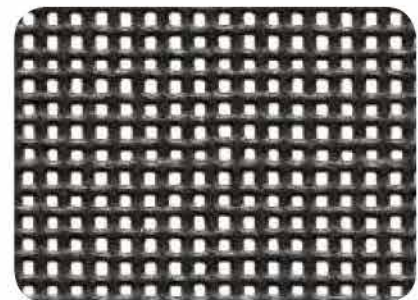
Silver-metallic 267 cm

381-3128



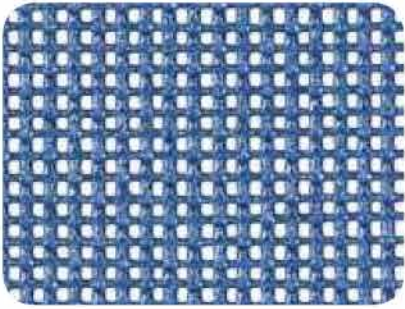
Beaten metal 267 cm

381-3125

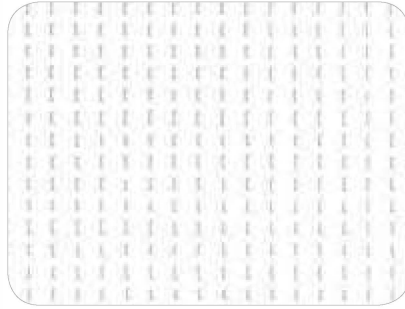


Black-cherry 267 cm

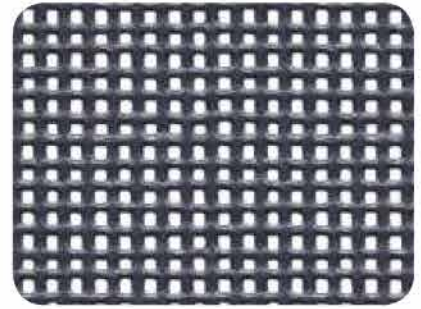
381-3120



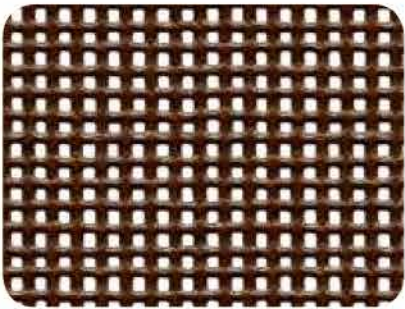
Midnight blue 267 cm 381-3111



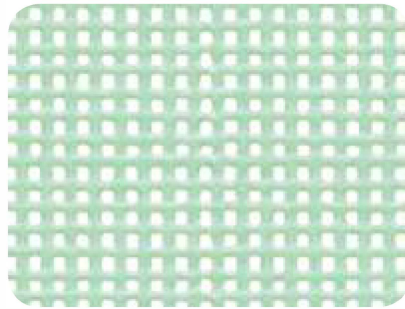
Print White* 267 cm 381-50708



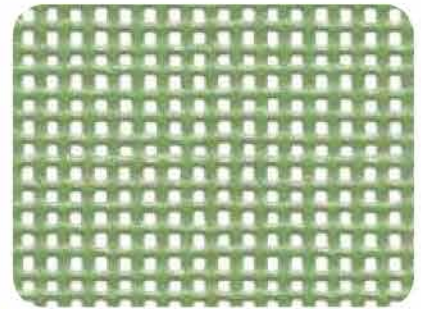
Slate 267 cm 381-3113



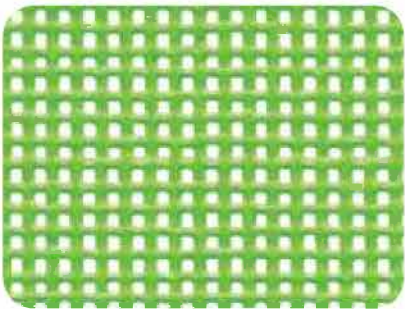
Choco 267 cm 381-3108



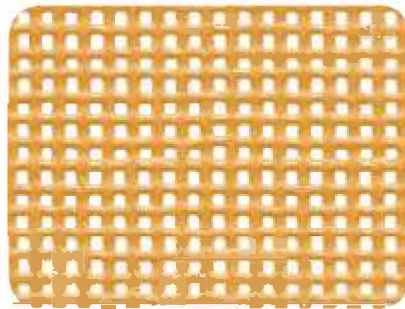
Milky green 267 cm 381-3119



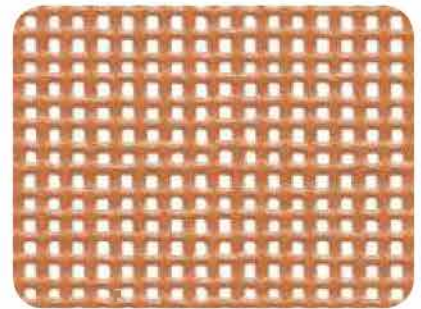
Cactus-green 267 cm 381-3118



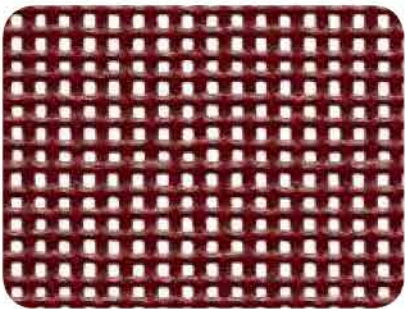
Spring-green 267 cm 381-3117



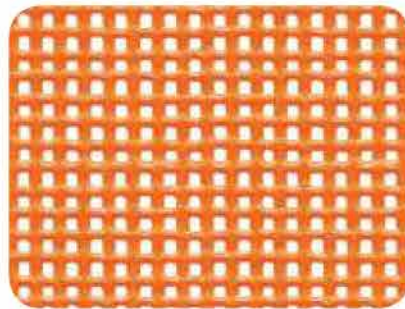
Temperament-golden 267 cm 381-3124



Cinnamon-copper 267 cm 381-3127



Glowing-red 267 cm 381-3105

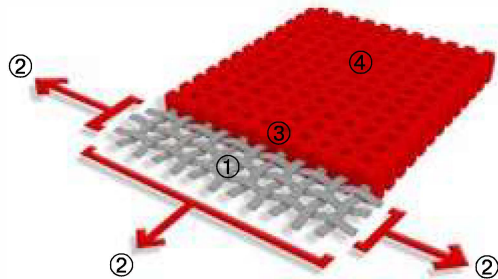


Pumpkin 267 cm 381-3101

*To be printed on the back side with Sign Mat special print varnish

■ Exclusive Précontraint® technology

Patented worldwide, Précontraint® Serge Ferrari technology involves keeping the composite under tension throughout the manufacturing cycle. It gives our materials exceptional performances 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	No material deformation during installation or usage
A coating with fabrics under bi-axial constant tension in both warp and weft directions	②	No elongation, tear resistant
Greater coating at the top of the yarns and an dirt resistant surface treatment.	③	Better long-term strength and aesthetic quality
Exceptional flatness and thinness	④	Smooth finish easy to clean, space saving, easy rolling

■ Solar and light properties (EN 14501)

		TS	RS	AS	TV n-h	g _{tot} ^e
381-3101		30	27	43	28	0,17
381-3105		29	19	52	29	0,17
381-3108		27	10	63	27	0,17
381-3109		28	37	35	28	0,15
381-3111		28	21	51	27	0,16
381-3113		27	9	64	27	0,17
381-3117		27	26	47	27	0,16
381-3118		28	30	42	28	0,16
381-3119		30	41	29	29	0,15
381-3120		28	6	66	28	0,18
381-3121		28	31	41	28	0,16
381-3123		29	34	37	28	0,16
381-3124		28	28	44	27	0,16
381-3125		27	20	53	28	0,16
381-3127		27	29	44	28	0,15
381-3128		28	40	32	27	0,15
381-50708		32	56	12	31	0,15

TS : Solar Transmission (%)

RS : Solar Reflection (%)

AS : Solar Absorption (%)

TS + RS + AS = 100% of incident energy

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

g_{tot}^e : External Solar Factor, Type «D» glazing: insulating, slightly emissive double glazing in position 2 (4 + 16 + 4; argon-filled - g=0.32 - U=1.1)

Frontside View 381



■ Technical properties

		Standards
Front face	Metallic or pearl finish	
Back face	Matt	
Yarn	1100 Dtex PES HT	
Weight	550 g/m ² • 16.2 oz/yd ²	EN ISO 2286-2
Standard format length	50 lm • 54.6 yds	
Thickness	0.95 mm • 950 microns	EN ISO 5084
Width	267 cm • 105.1 in	(-1 mm/+1 mm)

■ Physical properties

Tensile strength (warp/weft)	330/330 daN/5 cm	EN ISO 1421
Tear strength (warp/weft)	80/90 daN	DIN 53.363
Adhesion	9 daN/5 cm	EN ISO 2411
Porosity	28 %	
Extreme working temperatures	-30°C / +70°C	DIN 53.363

■ Flame retardancy

Rating	M1/NFP 92-507 — Method 1 et 2/NFPA 701 — Class A/ASTM E84 — CSFMT19 — 1530.3/AS/NZS Group 1/AS/NZS 3837 — G1/GOST 30244-94 — B1/DIN 4102-1 — BS 7837 — VKF 5.3/SN 198898	
Euroclass	B-s2,d0	EN 13501-1

■ Comparative analysis depending on end-of-life scenarios

	Recycling	Incineration	Landfill	Functional unit = 1 sqm Frontside View 381 material
Resource depletion	0.015	0.083	0.082	kg Sb eq
Global warming	1.29	3.66	3.29	kg CO2 eq
Energy Consumption	43.3	80.7	80.7	Megajoules eq.
Water Consumption	87	234.5	233.5	Liters

■ Management systems

Quality	ISO 9001
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■ Certifications, labels, warranty, recycling



10-year warranty



With **S+** Serge Ferrari goes further than the standards... (consult us for further information)

■ Tools and services

- LCA available on request
- Document and photo libraries: www.sergeferrari.com

The technical data above are average values with a +/- 5% tolerance, variance of +/- 10% for weight given.

The buyer of our products is fully responsible for their application or their transformation concerning any possible third party. The buyer of our products is responsible for their implementation and installation in compliance with standards, codes of practice and safety regulations in force in destination countries. To ensure warranty effectiveness, refer to warranty certificate concerned available on demand.

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 subjects 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 for checking the validity of the above data.