Serge Ferrari
architecture

Tenseo

Frontside

371

Précontraint®

Tenseo Frontside 371

The ideal communication and graphic creation solution

An innovative solution to transform your facades into communication areas

Graphic customization

- Creative freedom (digital or screen printing)
- Material lightness and flexibility
- Durability and dimensional stability ensured by Précontraint® technology

Thermal and visual comfort

- Contributes to building thermal control
- Light management: allows daylight to enter, while protecting against glare

Reduction of environmental impacts

- Lightweight bioclimatic facade
- Low carbon footprint

Main applications

Facade covering	✓
Fixed sun breakers	✓
Claddings for balconies	✓
Claddings of technical units	✓
Freeform facade	✓

Solar and light properties
(based on EN 14501)

		Width 267 cm 105.1 in	TS	RS	AS	TV n-h	g_{tot}^{e}*
371-3048		•	30	41	29	28	0.15
381-7900		•	33	58	9	31	0.15

TS	Solar Transmission in %
RS	Solar Reflection in %
AS	Solar Absorption in %
TS + RS + AS	=100% of the incident energy
TV n-h	Normal - hemispherical visible light transmission (%)
g_{tot}^{e}	External Solar Factor

*** g_{tot} according to:** ISO 52022-1 simplified method

Simplified calculation method of the solar factor g_{tot} for solar protection device combined with glazing.
Type "D" glazing: insulating double glazing with low emissivity on face 2 (4 + 16 + 4; Argon filling) g = 0.32 - U = 1.1

Solar Protection

&

Graphic customization

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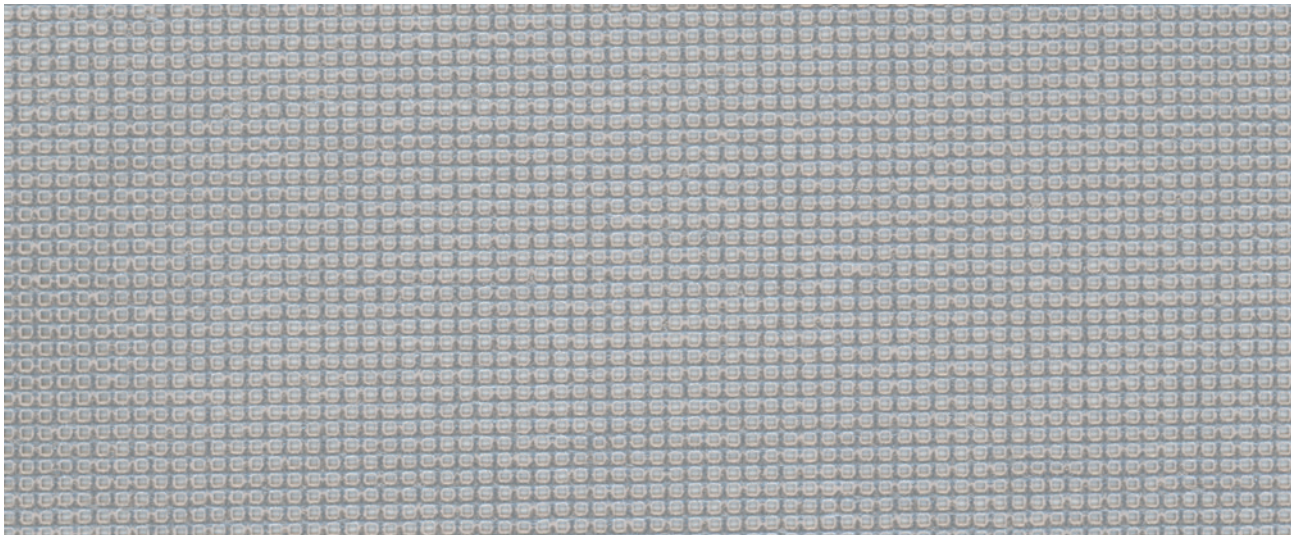
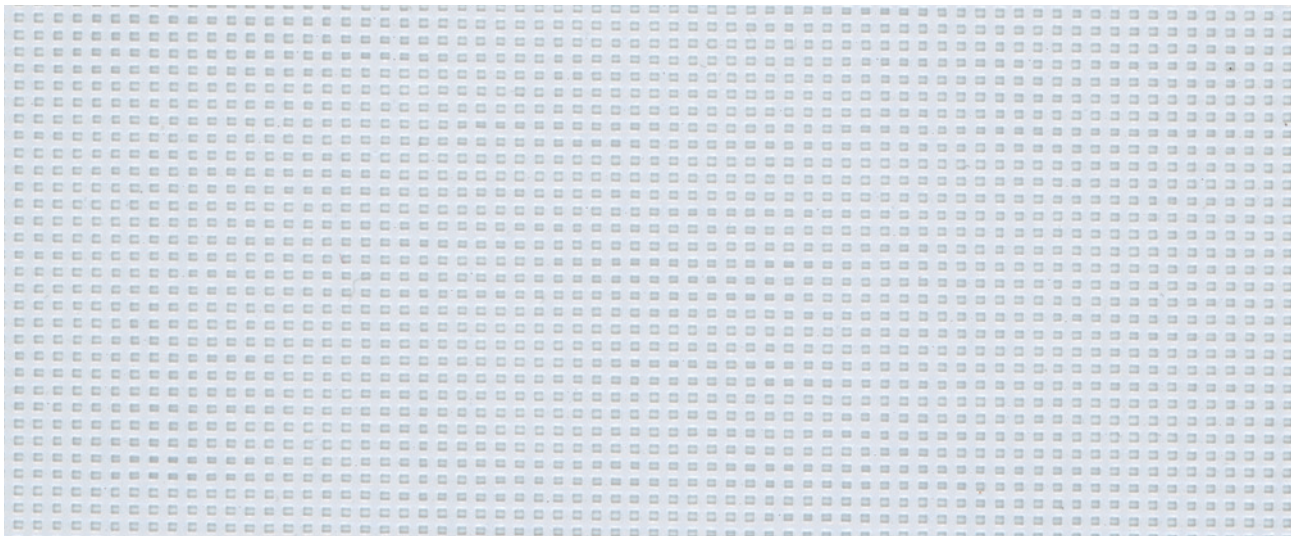


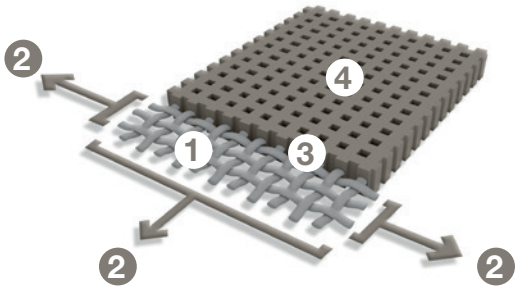
Alu **371-3048**



White **371-7900**

Exclusive Précontraint® technology

This unique, world-patented technology involves maintaining the composite in bi-axial tension throughout the manufacturing cycle. It ensures our materials' exceptional performance characteristics, which ensure they exceed market standards in terms of long-term stability, strength, coating thickness and flatness.



1	High-tenacity polyester micro-yarn reinforcing mesh	Higher resistance to elongation and tearing
2	Coating under bi-axial, warp and weft tension	No deformation during installation and usage
3	Coating thickness covering top of yarns and dirt repellent surface treatment	Enhanced aesthetic and structural durability
4	Extremely flat and thin	Easy-to-clean smooth surface ensuring compactness and easy rolling

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	Mechanical properties
Tensile strength (warp/weft) EN ISO 1421	300/300 daN/5 cm • 674/674 lbs/2 in
Tear strength (warp/weft) DIN 53.363	60/60 daN • 135/135 lbs
Adhesion EN ISO 2411	9 daN/5 cm • 20 lbs/2 in
	Fire resistance
Rating - International fire certificate available, such as*	NFPA 701 Method 1 CSFM T19 **B-s2,d0**/EN 13501-1
	Dimensions
Weight EN ISO 2286-2	440 g/m² • 13.0 oz/sq. yd
Thickness EN ISO 5084	0.65 mm • 650 microns
Width	267 cm (+/-1mm) • 105.1 in
Roll length	50 lm • 54.6 yd
	Complementary information
Yarn	1100/2200 Dtex PES HT
Porosity	20%
	Management System
	Quality: ISO 9001 • **Environment**: ISO 14001 • **Energy**: ISO 50001
	Certifications, labels, warranty

Précontraint® Technology | 10-year warranty

* Contact us for latest certificate updates & validities

[1] Summarizes the group's CSR project focused on human, to align economic performance and positive impact.

Mechanical properties are average values with a +/-5% tolerance, variance of +/-10% for weight given.

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Serge Ferrari group

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