Serge Ferrari
architecture

Tenseo

Edition

Opaque Dualtone

Précontraint®



BUITINK TECHNOLOGY
Advanced Lightweight Structures

Tenseo Edition Opaque Dualtone

Standards colors of 702 Opaque Dualtone only



Bright red/Bright blue **BR BB**



Bright blue/Bright blue **BB BB**



Dark yellow/Bright blue **DY BB**



White Opaque/Bright blue **WO BB**



Bright red/Bright blue **BR BB**

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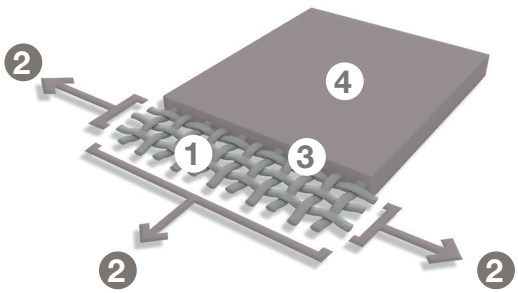
Possible colors combination (top side/back side)

Other colors shall be validated

White Opaque WO	Dark yellow DY	Light green GR
Champagne CH	Bright red BR	Medium green MR
Sand SA	Pink PI	Light blue LB
Light grey LG	Cyclamen CY	Bright blue BB
Black NR	Burgundy BU	Dark blue DB

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

Tenseo Edition Opaque Dualtone

Opaque and UV-resistant membranes

Main advantages

- Excellent opacity
- UV resistant colors
- Durable mechanical résistance & low elongation

Main applications

- Arena
- Permanent or temporary building
- Circus tent

	Tenseo Edition Opaque Dualtone			
	702	**1002**	**1202**	**1502**
Mechanical properties				
Tensile strength (warp/weft) EN ISO 1421	280/280 daN/5 cm 629/629 lbs/2 in	420/400 daN/5 cm 944/899 lbs/2 in	560/560 daN/5 cm 1,259/1,259 lbs/2 in	1,000/800 daN/5 cm 2,248/1,798 lbs/2 in
Tear strength (warp/weft) DIN 53.363	30/28 daN 67/63 lbs	55/50 daN 124/112 lbs	80/65 daN 180/146 lbs	160/140 daN 360/315 lbs
Adhesion EN ISO 2411	10 daN/5 cm 22 lbs/2 in	12 daN/5 cm 27 lbs/2 in	12 daN/5 cm 27 lbs/2 in	15 daN/5 cm 34 lbs/2 in
Fire resistance				
Rating - International fire certificate available, such as*	**B-s2,d0**/EN 13501-1 NFPA 701 Method 2 CSFM T19 Class A/ASTM E 84	**B-s2,d0**/EN 13501-1 CSFM T19 Class A/ASTM E 84	**C-s2,d0**/EN 13501-1 NFPA 701 Method 2	**C-s2,d0**/EN 13501-1 CSFM T19
Dimensions				
Weight EN ISO 2286-2	830 g/m² 24.5 oz/sq. yd	1,050 g/m² 31 oz/sq. yd	1,150 g/m² 33.9 oz/sq. yd	1,500 g/m² 44.2 oz/sq. yd
Width	180 cm • 70.9 in			
Roll length	250 lm • 273.40 yd			200 lm • 218.72 yd
Complementary information				
Surface treatment (top/back)	Two-sided vanish			
Yarn	High tenacity Polyester			
Elongation under load - 10 daN/5 cm (warp/weft) EN 15619 Tents	<1.2% / <1.2%			
Residual elongation EN 15977	<0.5% / <0.5%			
Thermal, optical and acoustic values				
Heat transfer coefficient (vertical/horizontal) Calculated	U=5.6 / 6.4 W/sqm/°C	U=5.6 / 6.4 W/sqm/°C	U=5.6 / 6.4 W/sqm/°C	U=5.6 / 6.4 W/sqm/°C
Visible light Transmittance (Tv) EN 410	0%	0%	0%	0%
Acoustic weakening index ISO 140-3 & ISO 717-1	12 dBA	14 dBA	14 dBA	16 dBA
Management systems				
	Quality: ISO 9001 • **Environment**: ISO 14001 • **Energy**: ISO 50001			
Certifications, labels, warranty				

Précontraint® Technology

5-year warranty for dismountable buildings
7-year warranty for permanent and static buildings (702)
10-year warranty for permanent and static buildings (1002-1202-1502)

DO BETTER CShR WITH LESS [1]

***** 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 +/-10% tolerance, variance of +/-10% for weight given.

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The colours and textures presented are included for information only.

Serge Ferrari group

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