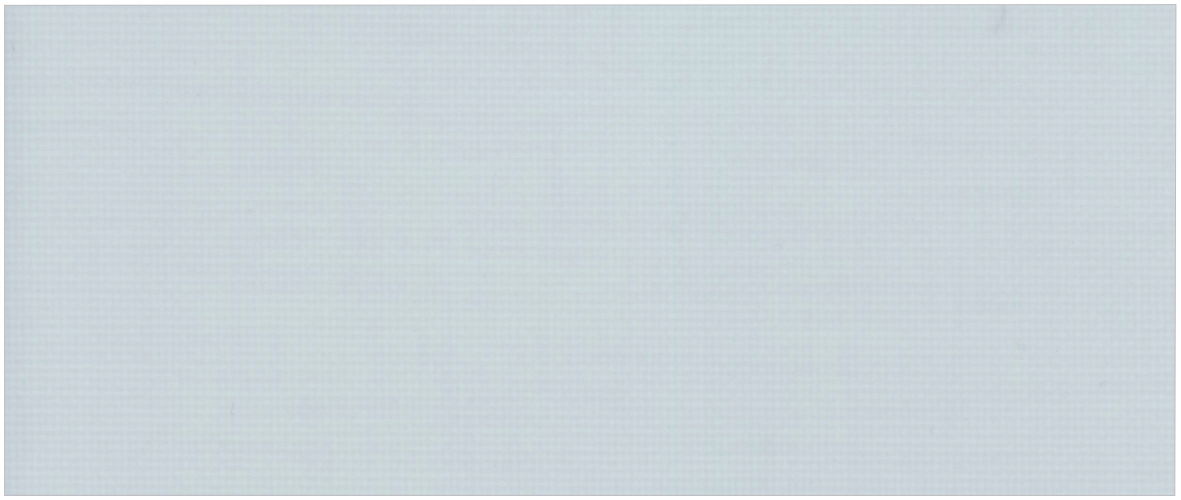
Serge Ferrari
architecture

Tenseo



Advanced
1002 S2 HTL
Précontraint®

BUITINK TECHNOLOGY
Advanced Lightweight Structures



Highly translucent white **1002-3399 S2**

Tenseo
Advanced 1002 S2 HTL

Highly translucent membrane

Main advantages

- Long lasting and low maintenance
- Controled color per translucency (VISU service)
- High dimensional stability due to Précontraint® technology

Main applications

- Covered outdoors
- Sport hall roofs
- Shading structures

	Mechanical properties
Tensile strength (warp/weft) EN ISO 1421	430/430 daN/5 cm • 967/967 lbs/2 in
Tear strength (warp/weft) DIN 53.363	55/50 daN • 124/112 lbs
Adhesion EN ISO 2411	12 daN/5 cm • 27 lbs/2 in
	Fire resistance
Rating - International fire certificate available, such as*	NFPA 701 Method 2 — AS/NZS 3837 — AS/NZS 1530.3 — CSFM T19 **B-s2,d0**/EN 13501-1
	Dimensions
Weight EN ISO 2286-2	1,050 g/m² • 31 oz/yd²
Thickness EN ISO 5084	0.78 mm • 780 microns
Width	178 cm • 78.08 in
Roll length	250 lm • 273.40 yds
	Complementary information
Surface treatment (top/back)	S2 architectural varnish / PVDF
Yarn	High tenacity Polyester 1100 Dtex - Low wick treatment for anticapillarity
Elongation 24 h -10 daN/5 cm (warp/weft) EN 15977	<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
Visible light Transmittance (Tv) NFP 38511	24%
Visible light Transmittance (Tv) EN 410	16%
Visible light Reflexion (Rv) EN 410	64%
Solar Transmittance (Ts) EN 410	19%
Solar Reflexion (Rs) EN 410	63%
Solar factor (g) EN 410	24%
UV transmittance EN 410	0%
Solar Reflectance Index (SRI) SSc 7.2/SSc 7.1 (Roof/Non Roof)	>78%
Acoustic weakening index ISO 140-3 & ISO 717-1	14 dBA
	Management systems
	Quality: ISO 9001 • **Environment**: ISO 14001 • **Energy**: ISO 50001
	Certifications, labels, warranty

Précontraint® Technology | 12-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

BUITINK TECHNOLOGY Advanced Lightweight Structures

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Ref. CT-02481 • 02/2025 • PDF only

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