Serge Ferrari
architecture

Tenseo



Advanced
1002 S2
Précontraint®

BUITINK TECHNOLOGY
Advanced Lightweight Structures

Translucent White **1002-8636 S2**

Tenseo Advanced 1002 S2

Longevity and easy maintenance

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	420/400 daN/5 cm • 480/450 lbs/2 in
Tear strength (warp/weft) DIN 53.363	55/50 daN • 80/75 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/sq. yd
Thickness EN ISO 5084	0.78 mm • 780 microns
Width	267 cm • 105.1 in
Roll length	175 lm • 191.38 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	8%
Visible light Transmittance (Tv) EN 410	4%
Visible light Reflexion (Rv) EN 410	90%
Solar Transmittance (Ts) EN 410	6%
Solar Reflexion (Rs) EN 410	81%
Solar factor (g) EN 410	9.5%
UV transmittance EN 410	0%
Solar Reflectance Index (SRI) ASTM E1980-01 (Approach II)	>95%
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 | 15-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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