Serge Ferrari
architecture

Flexlight



402 HT

Highly Translucent

BUITINK TECHNOLOGY
Advanced Lightweight Structures

Flexlight 402 HT

Highly translucent membrane

Main advantages

- Highly translucent: very high light transmission (48% according NFP 38.511)
- Easy to weld
- Exceptional dimensional stability due to Précontraint® technology

Main applications

- Static and permanent structures
- Inflatable structures



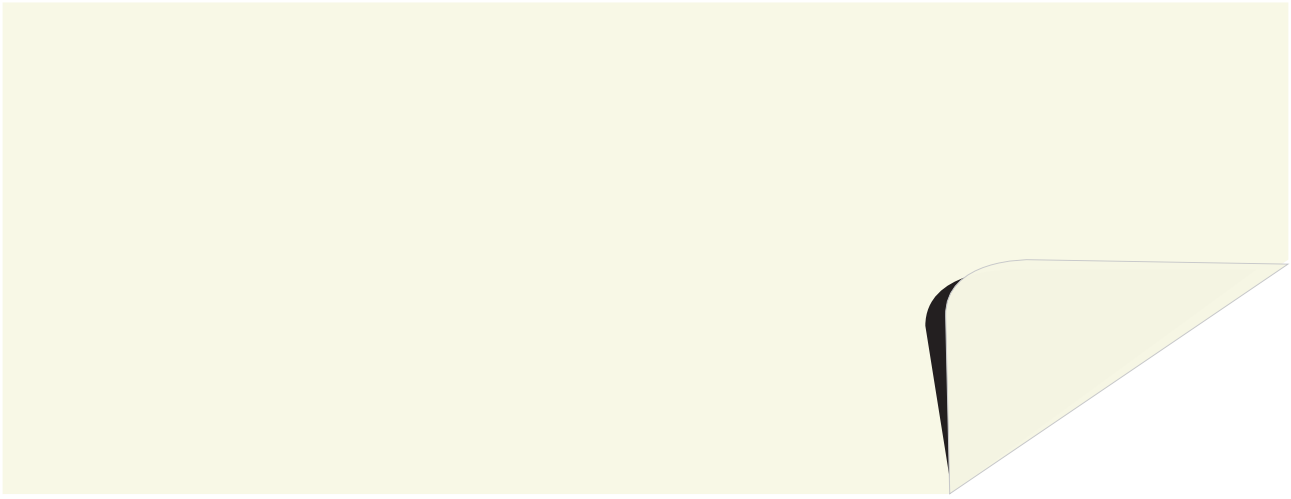
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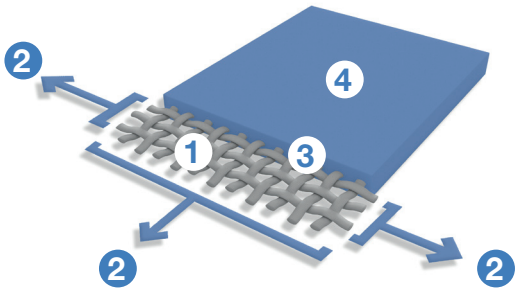
Ultra white **402-1399**



White **402-8145**

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

Flexlight 402 HT

	Technical properties
Yarn type	PES High tenacity
Yarn treatment	Standard wicking treatment
Coating	Antifungal-treated high-performance PVC
Finish	Lacquer both sides
Weight EN ISO 2286-2	520 g/m² • 15.3 oz/yd. sq
Width	267 cm • 105.1 in
Length of rolls	Rolls: 50 lm • 54.68 yd Jumbo rolls: 300 lm • 328.08 yd
	Physical properties
Tensile strength (warp/weft) EN ISO 1421	230/220 daN/5 cm • 517/495 lbs/2 in
Tear strength (warp/weft) DIN 53.363	20/20 daN • 45/45 lbs
Elongation under load (warp/weft)	<1% / <1%
Adhesion EN ISO 2411	8/8 daN/5 cm • 18/18 lbs/2 in
Extreme working temperatures	-30°C/+70°C • -22°F/+158°F - In static position internal test
	Fire resistance
Rating - International fire certificate available, such as*	**B-s2,d0**/EN 13501-1
	Environmental properties
Carbon impact EN 15804 + A2	1.75 kg CO_2 eq./m²
	Management system
	Quality: ISO 9001 • **Environment**: ISO 14001 • **Energy**: ISO 50001
	Certifications, labels, warranty

Précontraint® Technology

10-year warranty
For internal use only

ECO PLATFORM EPD EN 15804 VERIFIED

DO BETTER WITH LESS CShR [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.

Quoted technical characteristics are average values subject to +/-5% tolerance.

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Serge Ferrari group

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