

Longevity and Performance for  
Tensile Architecture Structures



# Precontraint

## Advanced 902 S2

### Main applications

- Covered outdoors
- Sport hall roofs
- Shading structures

### Major advantages

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

#### ■ Technical specifications

		Standards
Surface treatment (top/back)	S2 PVDF / PVDF	
Yarn	High tenacity Polyester 1100 Dtex Low wick treatment for anticapillarity	
Weight	950 g/m <sup>2</sup>	EN ISO 2286-2
Width	267 cm	

#### ■ Physical properties

Tensile strength (warp/weft)	420 / 400 daN/5 cm	EN ISO 1421
Tear resistance (warp/weft)	55 / 50 daN	DIN 53.363
Adhesion	12 daN/5 cm	EN ISO 2411

> The technical data here above are average values with +/-5% tolerance

#### ■ Flame retardancy

Euroclass	<b>B-s2,d0</b>	EN 13501-1
DIN standard	<b>B1</b>	DIN 4102-1

> Other fire certificates available on demand

#### ■ Thickness and dimensional stability

Thickness	0.72 mm	
Elongation 24 h -10 daN/5 cm (warp/weft)	< 1.2% / < 1.2%	EN 15977
Residual elongation	< 0.5% / < 0.5%	EN 15977

#### ■ Thermal and acoustic performances

Heat transfer coefficient (vertical/horizontal)	U = 5.6 / 6.4 W / sqm / °C	Calculated
Acoustic weakening index	13 dBA	ISO 140-3 & ISO 717-1

#### ■ Solar optical values

Visible light Transmittance (Tv)	9 %	NFP 38511
	5 %	EN 410
Visible light Reflexion (Rv)	87%	EN 410
Solar Transmittance (Ts)	7%	
Solar Reflexion (Rs)	79%	
Solar factor (g)	12.5%	
UV transmittance	0%	
Solar Reflectance Index (SRI)	99%	ASTME1980-01 (Approach II)

#### ■ Certifications, labels, guarantees, recycling

ISO 9001  
ISO 14001



Precontraint  
technology

15-year  
warranty

CSR and LEED reports  
available on request

The buyer of our products is fully responsible for their application and their transformation with regard to any possible third party. The buyer of our products is responsible for their implementation and installation according to the standards, workmanship and safety regulations in force in destination countries. For information on our contractual warranty, please refer to the relevant terms and conditions. The values quoted above represent results of tests performed in compliance with common design practices and are provided for information only to enable customers to make the best use of our products. Our products are subject to changes based on technical advances and we reserve the right to modify their characteristics at any time. The buyer of our products is responsible for checking the validity of the above data.

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