

Composite

Soltis Proof W96 + Précontraint 302

Soltis Proof W96

Is a composite material with the following distinctive features:

- **Watertight protection in bad weather,**
- Textured, transparent appearance and a high degree of brightness from natural light,
- Highest degree of sun protection (UPF 50+) and a high thermal reflection to create a pleasant room climate,
- Quick and easy to care for,
- Durable colour fastness to UV radiation,
- Précontraint technology for high dimensional stability and mechanical strength

Application area: Only for folding awnings (e.g. Lewens Positano)

Précontraint 302

The PVC-coated polyester fabric Précontraint 302 offers

- Watertight weather protection,
- Opaque protection from the sun,
- High stability and mechanical strength,
- Light weight,
- Smooth, dirt-repellent surface for easy cleaning
- Précontraint technology for high dimensional stability and mechanical strength

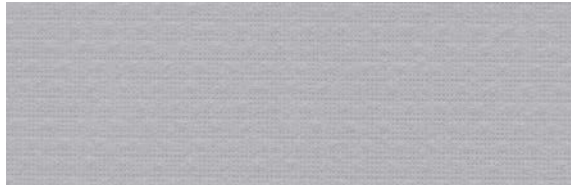
Application area: Only for folding awnings.

Soltis Proof W96



W96-8102

White



W96-2171

Cloud grey



W96-2047

Anthracite



W96-1103

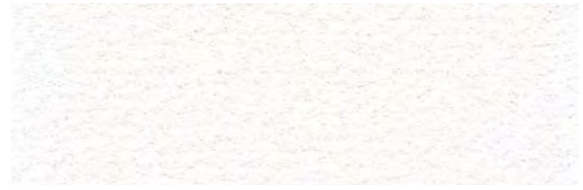
Eggshell



W96-8861

Vanilla

Précontraint 302



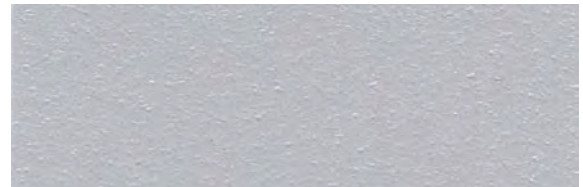
20397

Pearl white



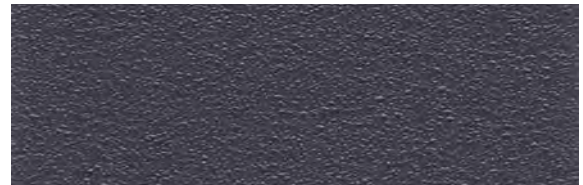
20391

Ice white



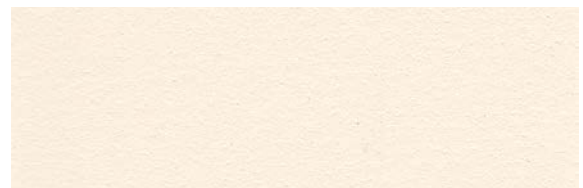
20394

Grey



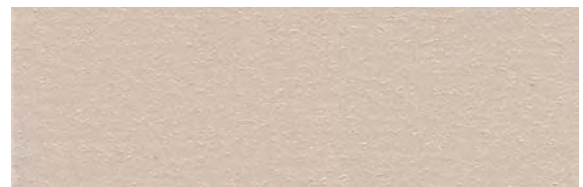
20395

Anthracite



20392

Ivory



20393

Hemp



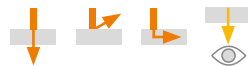
20396

Taupe grey

Technical Information

	Soltis Proof W96	Précontraint 302
Openness factor - OF	0 %	0 %
Type of fabric	Composite, base cloth made of high tenacity polyester threads	PVC coated polyester, acrylic lacquered
Width	267 cm [69,7"]	180 cm [69,7"]
Thickness	0,56 mm	0,36 mm
Mass	620 g/m ²	490 g/m ²
Roll length	35 m	50 m
Fire Resistance	B1 (DIN 4102-1) M2 / NFP 92-507	B1 (DE), M2 (FR), Classe 2 (IT), B s2 d0 (Euroclass)
Breaking strength	Warp : 220 daN/5 cm Weft : 220 daN/5 cm ISO EN 1421	Warp : 140 daN/5 cm Weft : 150 daN/5 cm ISO EN 1421
Tear resistance	Warp : 25 daN/5 cm Weft : 20 daN/5 cm DIN 53.363	Warp : 10 daN/5 cm Weft : 12 daN/5 cm DIN 53.363
Water column	10.000 mm	10.000 mm
Colour fastness + temperature resistance	Excellent UV and heat resistance - 30 °C / + 70 C	
Environment	100 % recyclable	REACH certified
Applications	Folding awnings	

Light properties



No.	Colour	TS	RS	AS	TV	g tot ^e
Soltis Proof W96						
W96-1103	Eggshell	17	67	16	16	0,13
W96-2047	Antracite	3	11	86	3	0,10
W96-217 1	Cloud grey	9	52	39	4	0,09
W96-8102	White	17	71	12	17	0,12
W96-8861	Vanilla	13	63	24	9	0,11
Précontraint 302						
20391	Ice white	9	64	27	6	0,08
20392	Ivory	13	70	17	9	0,10
20393	Hemp	2	47	51	0	0,06
20394	Grey	3	43	54	0	0,07
20395	Anthracite	1	10	90	0	0,08
20396	Taupe grey	3	16	84	0	0,07
20397	Pearl white	12	77	11	10	0,09

TS Solar Transmission (%)

RS Solar Reflection (%)

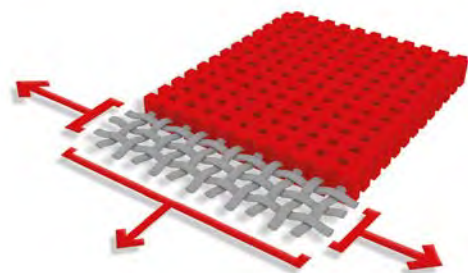
AS Solar Absorption (%)

TV (n-h)
Normal-hemispherical
visible light transmission (%)

g tot^e External solar factor,
Type "C" glazing:
insulating, double
glazing

Précontraint Technologie

With Serge Ferrari's unique Précontraint technology, which is protected by a worldwide patent, biaxial tension (along both the warp and weft) is applied to composite materials throughout the manufacturing process. This gives the materials unique properties in terms of dimensional stability, mechanical strength, coating thickness and flatness.



Source : Serge Ferrari Group

Which fabric is best for which awning?

Awning styles and models	Awning wovens				
	Acrylic	Polyester, Recycled Polyester	Screen Sergé	Soltis Perform 92	Soltis Proof W96 Précontraint 302
Folding arm awnings	■	■	-	-	-
Glass roof awnings Athena	■	■	-	-	-
Pergola awnings Athena	■	■	-	-	-
Vario valance, motor	■ up to height 150 cm	■ up to height 150 cm	-	■ up to height 160 cm	□ up to height 160 cm
Vario valance, crank operation	■ up to height 175 cm	■ up to height 200 cm	-	■ up to height 160 cm	□ up to height 160 cm
Glass roof / integral awning	■	■	-	-	-
Folding awning	-	-	-	-	■
Drop arm awnings	■	■	-	-	□
Markisolette	■	■	-	■	□
Side screen awning Apollo	■ <i>up to height 189 cm max. extension 400 cm ; from height 190 cm max. extension 300 cm</i>	■ <i>up to height 189 cm max. extension 400 cm ; from height 190 cm max. extension 300 cm</i>	-	■ <i>up to height 249 cm max. extension 400 cm ; from height 250 cm max. extension 300 cm</i>	□ <i>up to height 249 cm (max. extension 400 cm from height 250 cm max. extension 300 cm</i>
Vertical awning	-	-	■	■	□
Vertical awning Artemis	■ <i>up to 300 cm x 300 cm</i>	■ <i>up to 300 cm x 300 cm</i>	■	■	□
Vertical awning	■ <i>up to height 220 cm</i>	■ <i>up to height 220 cm</i>	■ <i>up to height 270 cm</i>	-	-
Vertical awning	-	-	■	-	-

■ recommended

□ on request

- not available



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