

Solar protection



www.ferrari-architecture.com

PRECONSTRAINT[®]
502

FERRARI
architecture



PRECONTRAIN[®]
502

Textiles for awnings and sail shades

Main applications: facade blinds, awnings, sail shades, canopies, light structures, etc.

■ A unique coordinated range

The 40 colours in the Précontraint[®] 502 range have been specially created by the design department of Ferrari[®] with all industrial and architectural applications in mind. The adaptation to current and future colour trends and the addition of metallic finishes and inter-ferrential colours bestow enduring individual traits to every project.

This unique range is very closely coordinated with other Ferrari[®] products ranges and facilitates the harmonization of awnings to interior solar blinds, exterior canopy structures, facades and other textile coverings.



White Water World - Australia

■ High-performance thermal protection



Sail shade - France

The wide colour range makes selection easy, to obtain required heat protection properties.

New formulations ensure high-performance thermal protection systems for window blind, shading fabric or canopy designs.

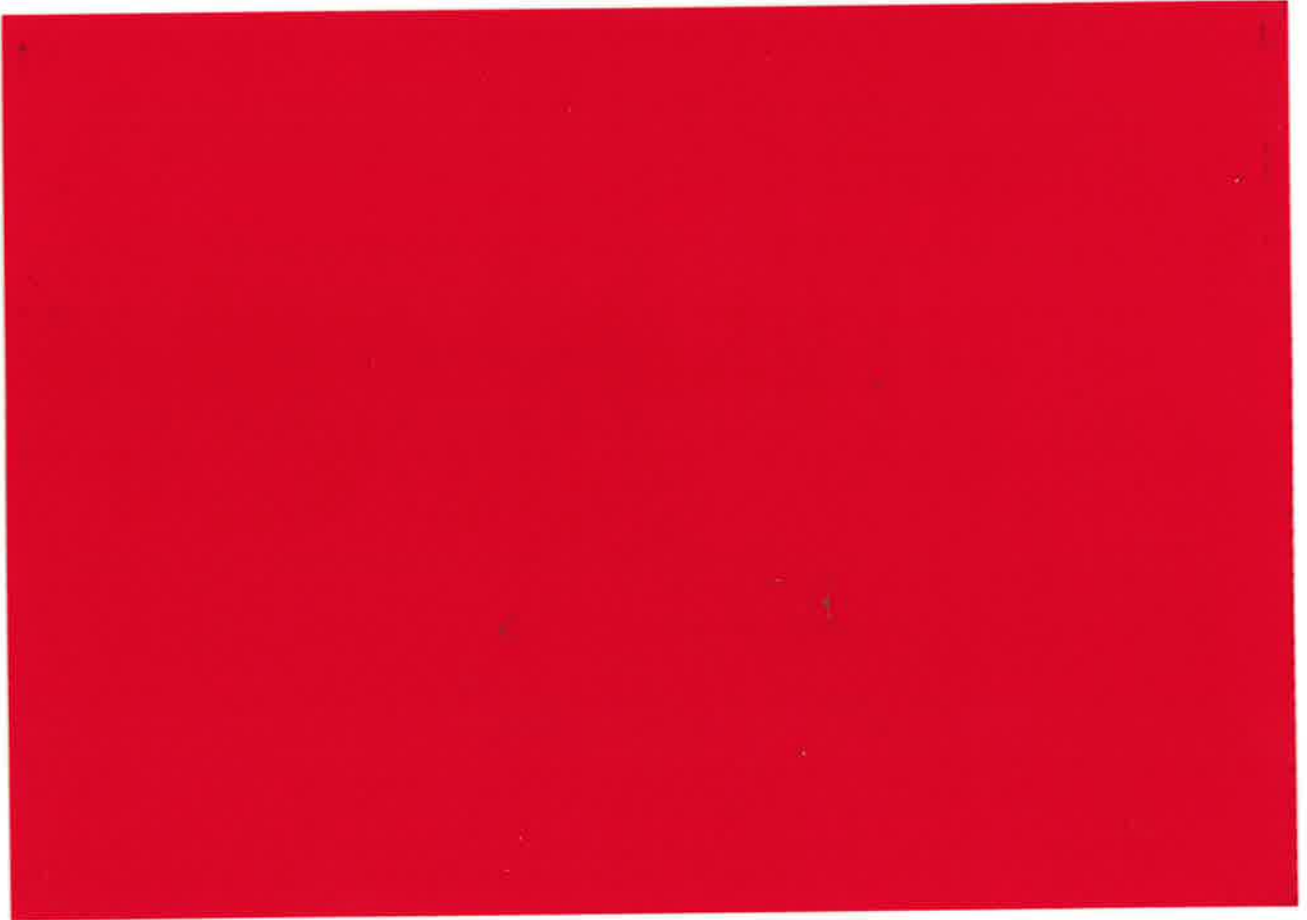
High heat-reflection capacities of certain colours can contribute to enhanced user comfort.

■ Enduring technical benefits

The full advantage of Ferrari[®] Précontraint[®] technology is reflected in the Précontraint[®] 502 range. It offers many advantages to every type of project: dimensional stability for shading fabrics; unmatched strength for canopies and large-sized applications; high UV resistance due to rigorous pigment and surface treatments; ease of maintenance with a consistently smooth appearance.



Children's Hospital - St. Louis - United States



502-2150 Raspberry

■ Emerging colours

Promoting a strong urban harmony, featuring neutral discreet shades, such as Mastic, Concrete and Cornflower.

Aluminium and Shifting Grey being more sophisticated shades.



502-8102 White



502-2160 Lagoon



502-2167 Concrete



502-2144 Mastic



502-2163 Turtledove



502-2159 Cornflower



502-1499 Shifting grey



502-2168 Aluminium

■ Design illusion

Contemporary architecture ventures towards dynamic, almost fluorescent colours that have a strong presence.

This bright, saturated colour harmony strongly reflects a current trend, in which every contrast is possible.



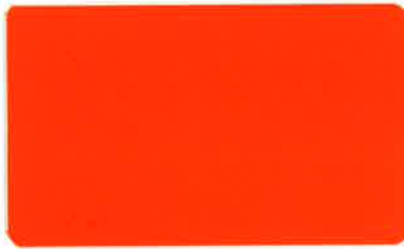
502-2156 **Spruce**



502-8056 **Tennis**



502-2157 **Aniseed**



502-2172 **Carrot**



502-8204 **Mandarin**



502-2166 **Buttercup**



502-2165 **Blackcurrant**



502-2150 **Raspberry**

■ Evolving with time

The first impression is that these colours appear to be taken directly from nature's palette; evoking the continuous cycle of the plant world. Looking deeper,

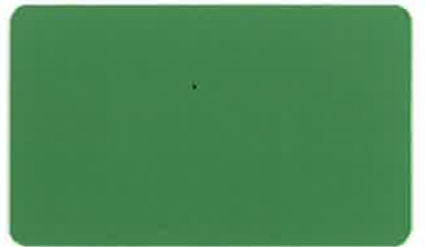
these colours appear smarter and more refined, reminding us of certain Art Nouveau paintings.



502-8284 **Maroon**



502-2149 **Beetle**



502-2158 **Moss green**



502-2137 **Walnut stain**



502-2138 **Dead leaf**



502-2012 **Pepper**



502-2173 **Tuscan**



502-2145 **Gold**

■ Body language

A palette taking inspiration from a variety of flesh tones, from Champagne, through Pale Pink to Cocoa.

These colours are soft and mellow, reflecting neutrality, remaining discreet, sober and subtle.



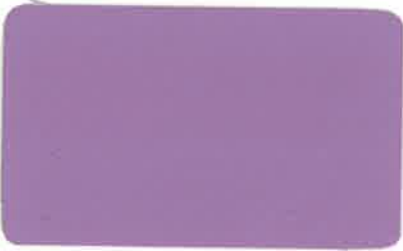
502-2148 **Cocoa**



502-2141 **Camel**



502-8861 **Vanilla**



502-2164 **Violet**



502-2151 **Pale Pink**



502-1013 **Chick**



502-2135 **Sandy beige**



502-8341 **Champagne**

■ Mayhem

Enter a strange satanic nocturnal world. Colouring is ambiguous, Slate changes from black to violet...

It's perturbing to see blood reds in the range.



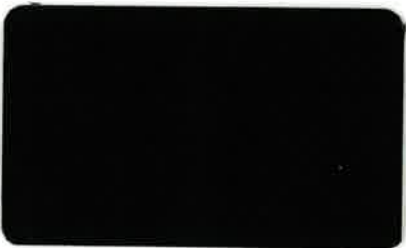
502-2162 **Slate**



502-1125 **Marine**



502-2161 **Night blue**



502-2136 **Onyx**



502-8450 **Black**



502-2171 **Boulder**

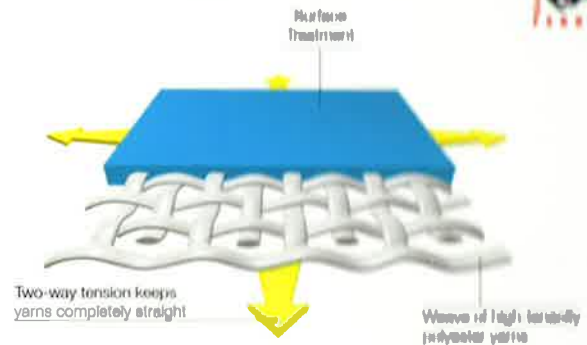


502-2152 **Velvet red**



502-8255 **Poppy**

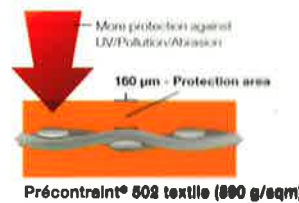
■ Exclusive Précontraint® Ferrari® technology



Made using the exclusive patented Ferrari® Précontraint® technology, Précontraint® 502 textiles are manufactured under equal tension throughout the manufacturing cycle.

The result of that is — **exceptional dimensional stability** — perfect tensioning and finish — **shape that is retained** at installation and over time — **long-lasting mechanical resistance** — substantially extended lifespan — **exceptional flexibility that ensures** architectural freedom and ease of fitting.

Greater coating thickness over the surface of the yarn. Thicker coating on the thread crests ensures that the physical properties of Ferrari® Précontraint® membranes are preserved over time — a key factor in the durability of your projects.

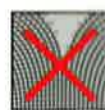


■ Technical features

PRECONTRAIN® 502



Long life



Tear resistance



Dimensional stability



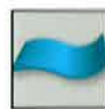
UV resistant



No products or additives



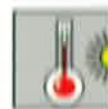
Easy maintenance



Flexibility



Flame retardant



Thermal control



Custom graphics



Creative Freedom



100% recyclable textile



Safe textile

■ Solar and light properties (according to EN 14501)


Reference	TS	RS	AS
502-1013	10	61	29
502-1125	4	21	75
502-1499	4	48	48
502-2012	4	44	52
502-2135	7	58	35
502-2136	2	15	83
502-2137	6	22	72
502-2138	4	36	60
502-2141	8	52	40
502-2144	7	66	27
502-2145	7	57	36
502-2148	4	30	66
502-2149	3	24	73
502-2150	11	46	43
502-2151	8	60	32
502-2152	9	37	54
502-2156	4	15	81
502-2157	8	47	45
502-2158	4	34	62
502-2159	5	46	49
502-2160	5	35	60
502-2161	6	28	66
502-2162	6	25	69
502-2163	5	48	47
502-2164	7	50	43
502-2165	15	29	56
502-2166	12	56	32
502-2167	2	29	69
502-2168	1	43	56
502-2171	4	48	48
502-2172	12	47	41
502-2173	12	42	46
502-8056	3	20	77
502-8102	10	76	14
502-8204	16	41	43
502-8255	20	37	43
502-8284	6	24	70
502-8341	10	68	22
502-8450	2	19	79
502-8861	7	61	32

TS : Solar Transmission as a %
RS : Solar Reflection as a %

AS : Solar Absorption as a %
TS + RS + AS = 100% of the incident energy

Solar protection

PRECONTRAIN® 502

Technical properties	Précontraint® 502	Standards
Yarn	1100 dtex PES HT	TERSUISSE 
Weight	590 g/sqm	EN ISO 2286-2
Roll-width	180 cm	
Tensile strength (warp/weft)	250/250 daN/ 5 cm	EN ISO 1421
Tear strength (warp/weft)	25/20 daN	DIN 53.363
Adhesion	9/9 daN/ 5 cm	EN ISO 2411
Finish	verniss Biface	
Flame retardancy	M2/NFP 92-507 • B1/DIN 4102-1 • BS 7837 • GROUP 1/AS/NZS 3837 1530.3/AS/NZS • SP METHOD 2205 • LP7 • M2/UNE 23.727 VKF 5.3/SN 198898 • B1/ONORM A 3800-1 • CLASSE 1/UNI 9177 METHOD 1/NFPA 701 • CSFM T19 • UBC 31-1 • CLASS A/ASTM E84 G1/GOST 30244-94 • Test 2 / CAN ULCS109	
Quality management system		ISO 9001

The technical data shown here are average values, given for information only, and may be modified.

www.soltis-textiles.com

Downloading, technical data, references, photos, description of tenders, and much more. All in real time.



Sustainable development

Ferrari® development is based on strict adherence to good safety and environmental practices. This includes an understanding of Life Cycle Analysis (LCA), selection of the best materials, and eco-design. The Company obtained its first ISO 14001 certification in 2003.

100% recyclable

Ferrari® developed the Taxyloop® technology specifically for the recycling of composite PVC membranes and textiles. Through the management of its end-of-life products Ferrari® is committed to sustainable development.
www.taxyloop.com

Specification Service

The Ferrari® specification service is available to inform you, advise you and suggest innovative solutions for your specific requirements.

To detail your project, fill in a form under:
www.soltis-textiles.com

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