

**FERRARI**

**LIGHT WEIGHT / DURABLE / RECYCLABLE**  
Three pillars of our sustainable development strategy



Lightweight Structures    Durable Structures    Recyclable Materials

**LIGHT WEIGHT**




**LIGHT WEIGHT**



**• FLEXIBLE SKIN:**  
Frankfurt Stadium retractable roof:  
9000 sqm one piece membrane tensioned  
in 20 mm.

*Frankfurt Stadium  
Germany  
Précontraint 1002 S*

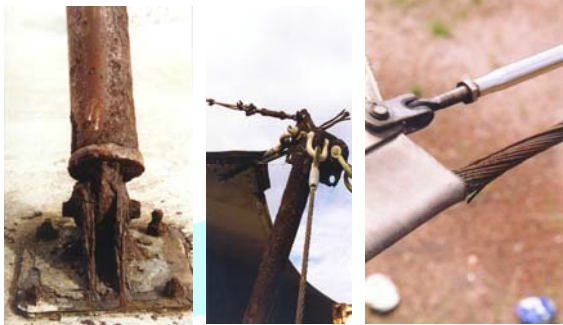
**LIGHT WEIGHT**




**DURABLE**



**DURABLE**



**DURABLE**



**- RESISTANCE TO CORROSIVE ENVIRONMENT:**  
 > resistant to sea front environment, **salt spray**.  
 > residual membrane strength after 18 years: warp 86% - weft 76%.

*Exhibition Facilities  
 Port-Gentil - Gabon  
 Précontraint 1202*

**DURABLE**

PRECONTRAIT MEMBRANE LONGEVITY

PROJECT REFERENCES	LOCATION	DATE OF INSTALLATION	TIME IN USE	RESIDUAL TENSILE
				STRENGTH VALUES
AIRBUS AIRCRAFT HANGARS	Bremen/GERMANY	1982	22 Years	Warp: 97%
				Weft: 84%
EXHIBITION HALLS	Port Gentil/ GABON	1982	18 Years	Warp: 86%
				Weft: 76%
LYON AIRPORT TERMINAL	Lyon / France	1989	16 Years	Warp: 78%
				Weft: 98%
HALLES D'AVIGNON FACADE	Avignon / France	1989	17 Years	Warp: 90%
				Weft: 80%
WALKWAY COVER	Paris/ France	1989	11 Years	Warp: 97%
				Weft: 86%
UNITED AIR LINE HANGAR (Hurricane encounter I)	Miami/FL / USA	1999	6 Years	Warp: 97%
				Weft: 100%

**RECYCLABLE**


**Collecting & Sorting**

<http://www.texyloop.com>




**RECYCLABLE**

- 1) Pilot Laboratory : 2002
- 2) Technological Pilot : 2003-2004
- 3) Industrialization :  
 PVC : 2005 - 2006  
 Fibres + PVC : 2007



> **Lords Cricket Club:**  
 original membrane installed in 1987

- Architect: Michael HOPKINS
- Engineer: OVE ARUP
- 1200 sqm of Type II membrane
- After 19 years in service the original membrane looked dirty as the surface treatments in those days were basic acrylics. Since the Chelsea/Marylebone area are very exclusive boroughs, there was no possibility to obtain a new building permit, the original structure had therefore to be rebuilt strictly identical to the original one.
  - > Dismantled in Dec. 2005 in ONE DAY
  - > Re installed in Dec. 2005 in SEVEN DAYS
- PRECONTRAIT 1002 T2
- The original membrane is recycled with the TEXYLOOP TECHNOLOGY



• **Lords Cricket Club:**

*Lords Cricket Club  
 Précontraint 1002 T2*



• Lords Cricket Club:

*Lords Cricket Club  
Précontraint 1002 T2*



• Lords Cricket Club:

*Lords Cricket Club  
Précontraint 1002 T2*



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• Lords Cricket Club:

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