Applications

Civil Engineering/Construction

CIVIL ENGINEERING / CONSTRUCTION

Cabled Stayed Bus Station
Cambridge UK

Cooling Tower Repair
Thorpe Marsh, UK

Cabled Stayed Bridge
Aberfeldy, UK

Pre-Stressing Tendons
Ontario, Canada

Pre-Stressing Tendons
Tring, UK

PARAFENCE™ for
Engineering Applications

Retaining Wall
Halifax, UK

Suitable products

PARALINK
Ultra High Strength Geogrid

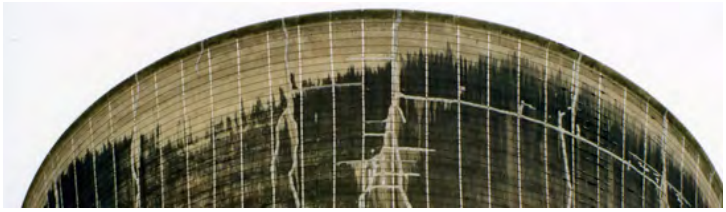
PARAGRID
The Ultimate Geogrid

PARADRAIN

PARAFENCE
The Ultimate Windbreak Fencing System

PARAFIL® : Roof Support Systems

PARAFIL® rope's high modulus, low creep characteristics, good tension-tension fatigue life and resistance to both corrosion and UV radiation make it an ideal material to use as a static tension member in roof support systems.



PARAFIL® : Pre-Stressing Tendons

PARAFIL® has proven its value in Civil Engineering where it has been used as a pre-stressing tendon to repair concrete structures. A good example of this is where 30 **PARAFIL®** circumferential tendons were used to repair a large concrete cooling tower.
The high strength to weight ratio, thermal stability, excellent chemical resistance, high UV resistance and fatigue characteristics make **PARAFIL®** an excellent choice for use as, external, unbounded pre-stressing tendons in concrete beams and structures.

PARAFIL® : Bridging

The high strength to weight ratio of **PARAFIL®** together with high modulus, low creep, resistance to both corrosion and UV radiation and good tension-tension fatigue life make **PARAFIL®** an attractive material for use in cable - stayed bridging. It was used in a 'fully synthetic', cable – stayed bridge spanning the River Tay at Aberfeldy golf course in Scotland.

PARAFIL® : Structural Support Systems

PARAFIL® rope's high tensile strength, low creep, resistance to corrosion and good tension-tension fatigue life make **PARAFIL®** an attractive material for use in many structural support systems. **PARAFIL®** was used as tensioning members in 'The Farm' sculpture created by the renowned sculptor Anish Kapoor. The physical properties of **PARAFIL®** made it an ideal material to act as tensioning members for the sculptures red membrane.

PARAFENCE™ in Civil Engineering Applications

PARAFENCE™ is widely used in the Civil Engineering industry to provide wind protection on construction sites. Windspeed generally increases at height, so when working on tall structures **PARAFENCE™** windbreaks are used to reduce windspeed and consequently improve working conditions and site safety.

An example of the use of **PARAFENCE™** in Civil Engineering and Construction was its deployment as a windbreak system during recent repair works on Blackpool Tower.

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