PARAFENCE
The Ultimate Windbreak Fencing System

CASE STUDY

PROJECT
TRANSPORT
WINDBREAK FENCING

CUSTOMER
TRANSMANCHE LINK

PRODUCTS USED
PARAFENCE™ 1700KG TYPE 5

PROJECT DATE
1992

Linear
COMPOSITES

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HIGH STRENGTH SYNTHETIC MESH PRODUCTS
PARAFENCE™ TRANSPORT WINDBREAK FENCING

CHANNEL TUNNEL | PAS-DE-CALAIS, FRANCE

The channel tunnel is a 50.5 kilometre (31.4mile) rail tunnel linking Folkestone in Kent, Uk with Coquelles, Pas-de-Calais, France. The Tunnel was opened to Passenger and freight trains in 1994. During the planning of the tunnel it was realised that in high winds the freight trains could be in danger of blowing over, especially when empty. ParaFence was therefore chosen to prevent this from happening. The ParaFence™ has now been installed maintenance free for over 20 years.

In total 7 kilometres of fence was installed at Coquelles up to a height of 16 metres.

ParaFence™ installations, where properly designed and implemented, regularly achieve service lives exceeding 25 years. Recent testing of ParaFence™ samples that have been in-service for over 20 years showed no appreciable loss in material strength or performance – see relevant long term case history.

ParaFence™ is available in a range of types colours, roll heights and length to suit client specific requirements.

The robust, open-architecture construction of Parafence makes it invulnerable to clogging by airborne particles (and the associated porosity reduction) and prohibits the growth or retention of biological on its surface. The geometry of fence bars provide the optimal level of porosity - nominal 50% - which ensures the best balance between reduction in incident wind velocity and forces induced on the support structure.

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