

Case Study....

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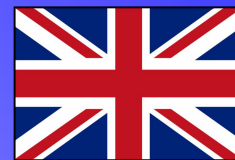
Project : Channel Tunnel Rail Link Section 1
Contract 420

Location: Kent, United Kingdom

Client: Union Railways

Joint Venture Contractor: Hochtief Norwest Holst

Engineering Consultants: Rail Link Engineering



Images:



Description:

The Channel Tunnel Rail Link (CTRL) will provide a high-speed rail link between St Pancras Station in London and the Channel Tunnel portal near Folkestone in Kent, UK.

Contract 420 involves the construction of 25 bridges and four tunnels including footbridges and rail bridges. Pitchmastic was selected to apply its PmB spray applied structural waterproofing system on this contract which required a UK Highways Agency and BBA certified product with resistance to rail ballast penetration.

Additional requirements for the tunnel membrane were flexibility, resistance to microbial and rock penetration and be suitable for rapid installation onto vertical and domed surfaces with an indefinite life expectancy.

The system was installed in accordance with a strict quality control standard which also involved a full electronic integrity test on the cured membrane to check for defects. Due to the excellent crack bridging properties, the PmB membrane was used to span the joints between the precast tunnel segments and the fixed end locations on the bridges.



Waterproofing



A Division of Pitchmastic PmB Ltd



International

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