



Train Maintenance Depot, Birkenhead

Case Study

New rail tracks were being installed by Clough Smith Rail Limited at the Birkenhead North Train Maintenance Depot. Inside the maintenance sheds the raised tracks had to be fitted with new specially designed base plates. These had to be fixed securely onto the parapet walls of the inspection troughs. All of which presented a problem inside the working sheds. **NCC** were consulted for advice on the best fixing approach and appropriate materials selection. From past experience they were able to recommend and supply a complete 'rail fixing package' as a total solution for the contractor.

The baseplates were bedded on high strength Sikadur 41 epoxy repair mortar with four M20 resin fixing bolts in each. Voids in the concrete and spaces around the light fittings were filled using DCP Flo-Grout 3 micro concrete. The top surfaces were finally sealed and with a non-slip coating from Ronacrete, Ronadeck Fast Grip, a rapid hardening coating system.

All of these materials were readily available and supplied from **NCC's** Chorley Depot that services the North West of England.

Client:

Network Rail

Specialist Contractor:

Clough Smith Rail Ltd

Products Used:

Sika Ltd, Ronacrete Ltd,
DCP Ltd

Contact:

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