



## TERRAM strengthens Eccles Yard for Network Rail

Client: Network Rail  
Project: Eccles Yard, Doncaster  
Product(s): PW2 and HYDROTEX™

*Everyday Network Rail manages, maintains and develops train and freight rail infrastructures including; tracks, stations, signalling, bridges, tunnels and level crossings. TERRAM products are an integral and essential part of Network Rail's day-to-day maintenance and track development work.*

### Summary

During a recent Category 11 renewal project on the LNE.EMD (London North East – East Midlands) route at Eccles Yard, near Doncaster, Network Rail had to replace the rails, sleepers and ballasts over a 1,200 yard linear stretch of track.

Prior to maintenance work commencing the site required a full Track Bed Investigation report (TBI) to ascertain ground conditions. After reviewing the report it became apparent that due to the amount of rail traffic predicted, the track infrastructure would require additional support to provide enhanced stability and better drainage.

### Solution

The solution to the Network Rail issue came with the recommendation to install TERRAM PW2 and Hydrotex geotextiles, both of which are specifically manufactured to support rail infrastructures.

Installing PW2 can save money on costly future maintenance repairs, as it acts as a separator and ground stabiliser, preventing the rail track from losing alignment should any sub-grade erosion occur.

TERRAM Hydrotex provides further stability, acting as a separator of fine soils, replacing the requirement to have a fragile sand blanket in place.





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### Result

In recent years, geosynthetics have been specified in an increasing number of TBI reports due to the benefits they provide in supporting ground stability and drainage. The Eccles Yard installation was no different.

TERRAM's geosynthetic products are easy to install and available in narrow two-meter widths so Network Rail was able to overlap them. This meant that obstacles such as catch pits or through bridges, which can usually cause problems, were easily navigated.



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**Ben Brown**, Application and Sales Engineer for rail at TERRAM, commented, *"Overall our geosynthetic solutions greatly improved efficiencies at the Eccles Yard site during the overhaul. Without them Network Rail may have struggled to meet the installation timescales and possession constraints."*

TERRAM's PW2 and Hydrotex geosynthetic products provide a long lasting solution to issues that regularly arise in rail environments.