



**Modern rail systems have to respond to increasing demands for long service life combined with reduction or elimination of environmental impacts such as noise, vibration and stray current.** This is particularly true for light rail systems where stray current in particular can not only corrode but also reduce the lifespan of the entire system.

Trelleborg's pre-coated rail concept provides a versatile approach for resilient support, combined with stray current and corrosion protection, in both light and heavy rail applications.

### **Trelleborg Pre-Coated Rail System**

Pre-Coated Rail offers a high level of stray current protection combined with low track stiffness to reduce adverse environmental impacts and to deliver better long term performance than other resilient solutions such as pour-in-situ polymer.

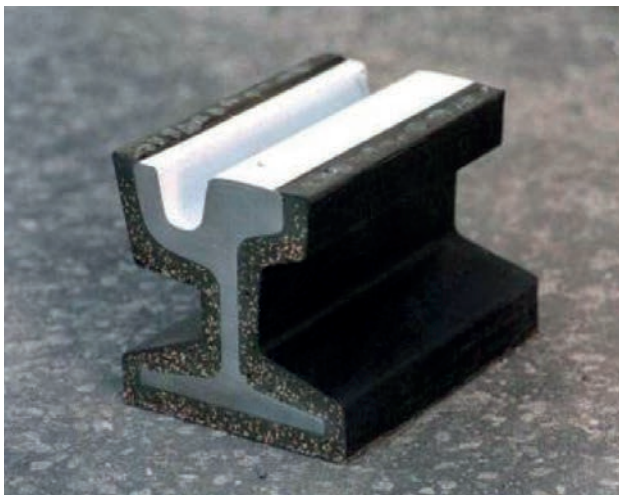


Pre-Coated Rail Track Under Construction

The innovative, factory-based process, used by Trelleborg, ensures efficient use of materials to produce cost effective encapsulated rail, particularly well suited for embedded rail renewal projects.

### **Features & Benefits**

- Assured, long term adhesion of polymer to rail
- Resilient rail support, combined with reduced noise and excellent vibration damping
- 100% polymer coverage ensures high electrical insulation
- The polymer coating acts as an effective corrosion protection layer
- Anti-skid finishes with minimal exposed polymer at the road surface
- Improved cost control for in-situ renewals
- Reduced contingencies for wastage or variations in construction dimensions for channels
- Versatile solution for encapsulation of turnouts, switches, crossovers and other special track work components



Factory Pre-Coated Rail



Installation of Pre-Coated Rail

These advantages, combined with simplified construction and past performance enabled Trelleborg's Pre-Coated Rail to become a leading rail encapsulation solution system in the UK and Ireland.

### **Contact Us**

Trelleborg's Applied Technologies division is an industry expert in delivering innovative and reliable solutions that maximize performance for our customers. Our vast range of specialized, customizable materials ensure peace of mind at every stage of your project. With reliable and efficient project management and manufacturing we endeavor to take performance to new levels by achieving your goals safely, on time and within scope.

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Nottingham Express Transit has 14.5 km of Factory Pre-Coated Rail

