

HRD
HIRD Rail Development

Integrated Rail Products,
Logistics & Services



raillpro

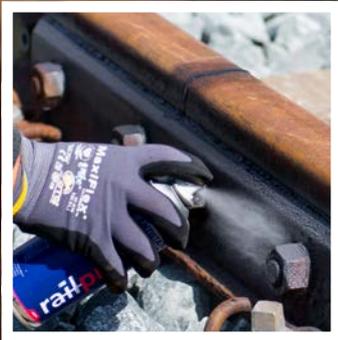
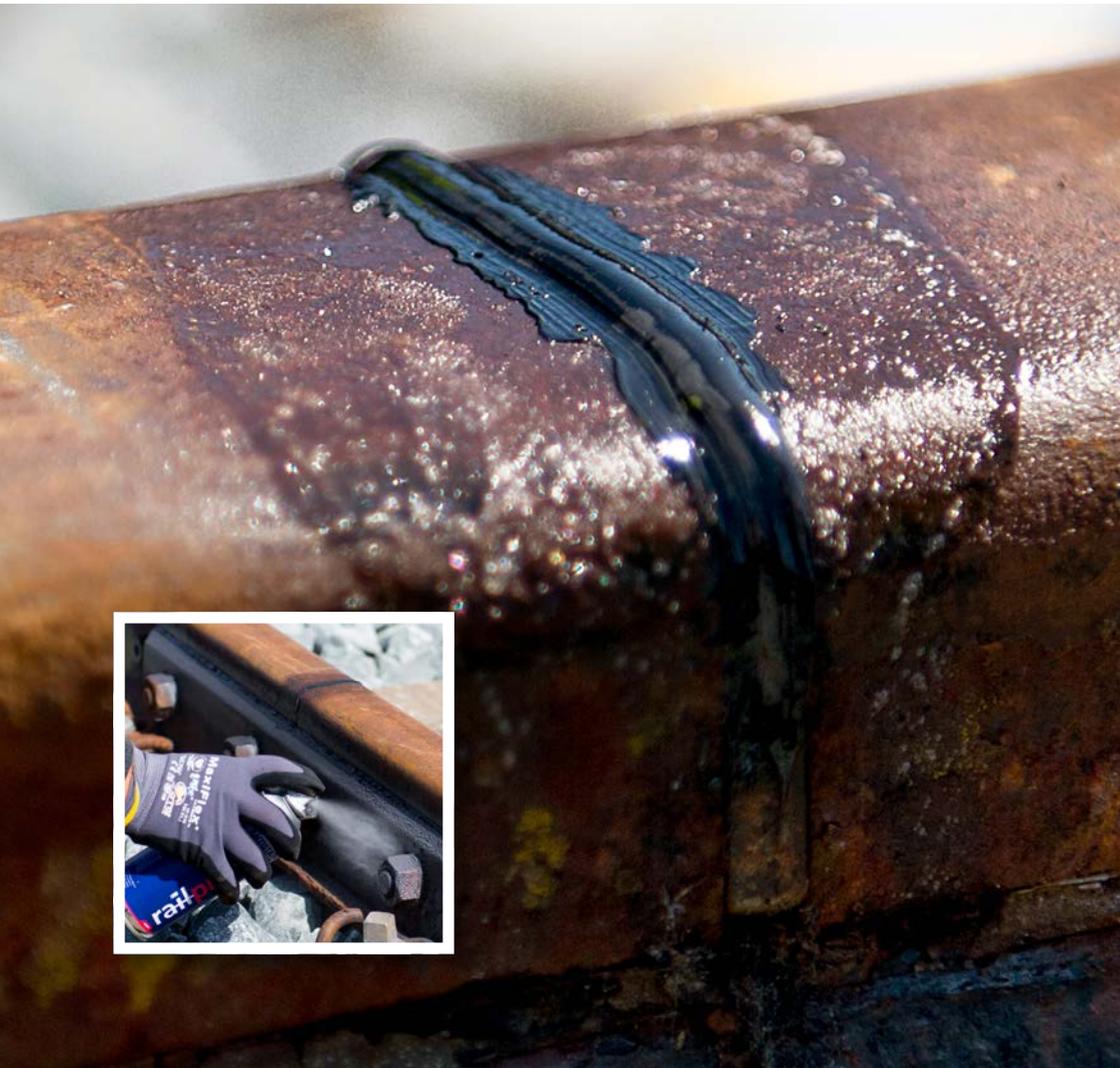
Quality Assured
Innovation



HIRD Rail Development is the official UK service partner for voestalpine Railpro based in The Netherlands and their range of innovative rail products and services.



railpro





End Post Life Enhancement Kit

The Railpro End Post Life Enhancement Kit is used for the rapid and cost-effective, in-service repair of insulated rail joints (IRJ).

Without proper maintenance, IRJs can deteriorate over time leading to failures in the track circuit resulting in detrimental effects on safety. Timely detection of damage or irregularities can eliminate the need for costly replacement.

The kit comes in a case containing the materials needed to repair all types of IRJs and includes surface cleaner, joint primer, glue, glue gun, scraper, antistatic coating, nozzles and gloves.

A one-man operation and fast curing times make it possible to permanently repair a joint in only 20 minutes. The waterproof formulation can be applied in damp conditions. If necessary, the same IRJ can be repaired many times. The glue in the kit is so strong, it not only repairs the joint but makes it stronger!

The Railpro joint repair kit can extend the life of joints up to 15 years, or until they need replacing.



Wooden Sleeper Repair Kit

This patented Wooden Sleeper Repair Kit from Railpro includes everything you need in one handy package for the quick and easy repair, or preservation of wooden sleepers without requiring any other tools.

The main component of the kit is 'ThreadFix' — a unique solution used to repair overgrown screw holes for coach screws. It ensures a strong bond with the wooden sleeper and not with the coach screw. This allows for removal of the coach screw without damaging the sleeper and/or the base plate, after which they can be re-used.

The most innovative part of the system is the 'Centraliser,' which is used to fill a drilled hole, before creating a new screw thread. It provides equal filling around the coach screw and ends up exactly in the middle of the drilled hole. A very strong screw thread can then be made.

A prefabricated application system is also available, which significantly extends the maintenance intervals for coach screws that have come loose.



For more information about Railpro products and services, please contact Hird Rail Development customer service.

Phone **+44 (0)1302 952040** Email **info@hirds.co.uk**



Coated Rails

Corrosive rail environments like coastal tracks, wet tunnels, level crossings and stray current environments, require coated rails to ensure maximum rail life.

Railpro offers durable coated rail solutions appropriate to these environments by applying different waterproof and insulated coatings to all types of flat bottom rails. With a lifetime expectancy of 20 years coated rails provide an excellent barrier to corrosion.

When used in level crossings, adhesion of the coating is important for the quality and durability of the embedded rails. Rail sections are treated prior to coating, ensuring an optimal surface for adhesion.

Coatings are then applied under controlled conditions. Rails subject to stray current leakage, can be protected with a special insulating rubber coating. All coatings are tested (on layer thickness) and are recorded. The application is also available for light rail.

The corrosion protection performance of Railpro coated rails has been demonstrated in both laboratory tests and track tests with Prorail, Infrabel and Eurotunnel and are proven to deliver lower life cycle costs and reduce unscheduled maintenance.

Prefabricated coated rail sections are available from stock in standard 36 m lengths.



Dust Reducing Ballast Train

Railpro has developed an innovative dust suppressing ballast train which effectively minimises workers exposure to hazardous ballast dust.

The train is comprised of 36 wagons divided into nine sets of four. Each wagon is fitted with a hydraulic unloading and high-pressure water spraying system which suppresses dust particles with a water mist sprayed over the ballast as it leaves the wagon.

Each set of four wagons has its own operating computer, lighting, remote control, water reservoir and power pack (diesel engine, electro-hydraulic motor and high pressure pump).

Operation is by remote control which makes unloading simple and practically effortless. The operator does not have to step on and off the wagon at any time, reducing the danger of tripping or falling onto the adjacent track. The wagons unload the ballast, without damaging the rails via a shutter with less effort and more accuracy.

The Railpro dust suppression system significantly improves the working conditions for rail track maintenance workers by eliminating the problems associated with inhaling ballast dust.



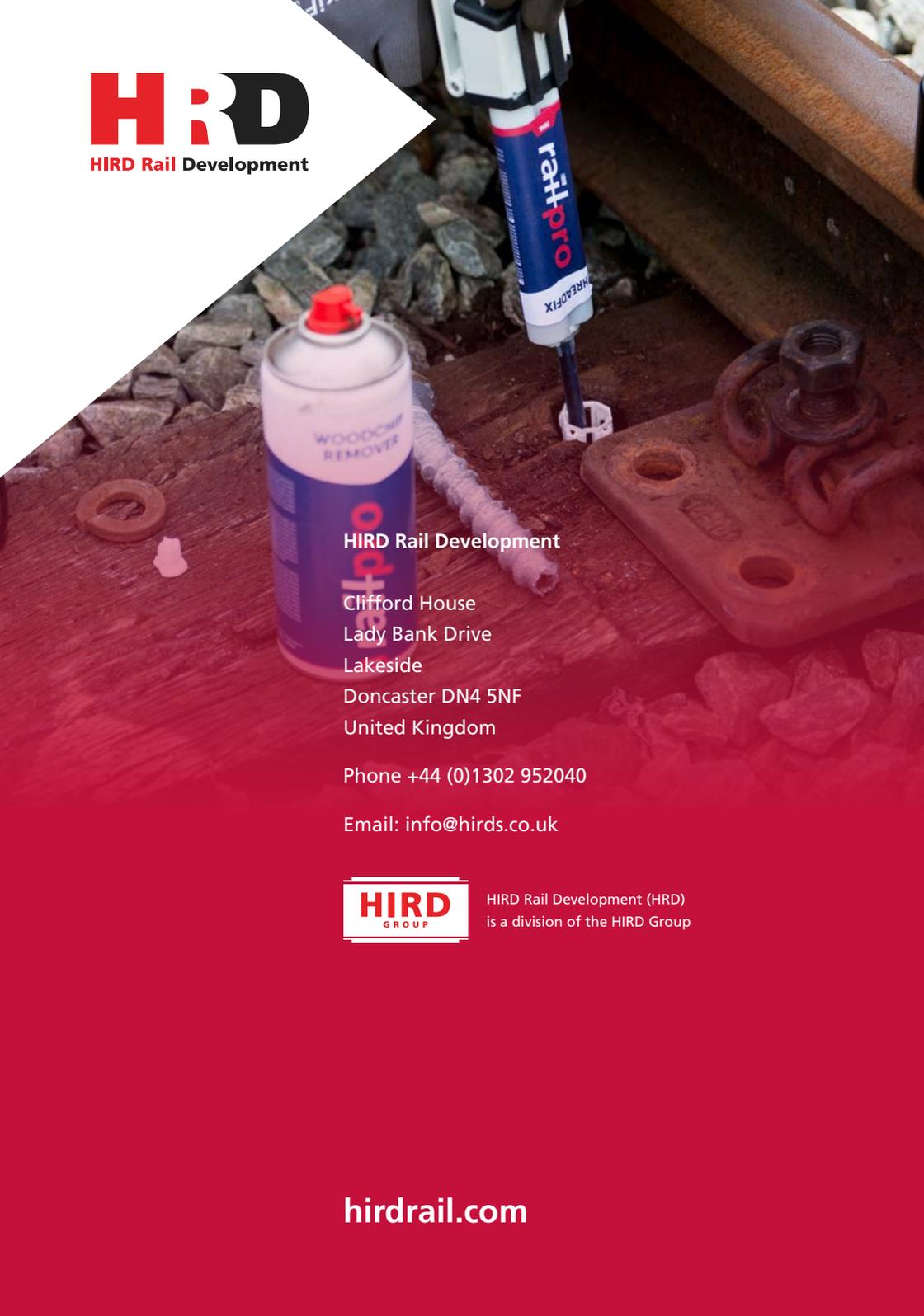
FIXSTOP OK Buffer Stop

Designed by voestalpine Railpro, the FIXSTOP OK buffer stop is approved by Dutch rail authorities and is in extensive use across The Netherlands.

Tested to withstand the impact of a moving train of up to 1250 kN, the FIXSTOP OK buffer stop is extremely robust and effectively minimises the damage to both itself and the vehicle. The durable steel frame construction and galvanised coating guarantees a lifetime expectancy of more than 40 years.

It can be installed on all common rail types and track gauges with rail specific mounting shoes. The centre coupling is suitable for both passenger and freight vehicles. Light rail and dynamic versions are also available.

- Can be supplied in any colour
- Weight 910 kg
- Length 2350 mm
- Coupling height 1000 mm



HIRD Rail Development

Clifford House
Lady Bank Drive
Lakeside

Doncaster DN4 5NF
United Kingdom

Phone +44 (0)1302 952040

Email: info@hirds.co.uk



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is a division of the HIRD Group

hirdrail.com