



**Dow Hyperlast**

engineering polyurethane excellence

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**HYPERLAST™**  
Polyurethanes for the  
rail industry



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## Polyurethanes for the rail industry

### SERIES-SIX Pre-coated Rail

Made under licence from ALH Railcoatings Ltd

'Series-Six'™ rail embedment material is supplied to the light and heavy rail industries around the world.



'Series-Six' is a two-component modified polyurethane system providing

- High flexibility
- High electrical resistance and insulation
- Excellent vibration dampening capability
- High resistance to abrasion and tear
- Excellent long-term adhesion
- Non-foaming

### XiTRACK™

Dow Hyperlast is an active partner in the XiTRACK™ project.

XiTRACK™ Track and Permanent way treatment is used for reducing maintenance in track renewal and upgrade.

The patented XiTRACK™ technique has been specifically developed to meet the demands of modern ballasted rail track with increasing train axle weight, line-speed and track usage coupled with reduced maintenance schedules.

XiTRACK™ can be used as an effective tool to reduce track alignment problems which usually result in degraded ballast. Ballast performance is restored in a single treatment.

The XiTRACK™ technique is fully designed and uses dynamic track measurement techniques and state-of-the-art predictive computer modelling simulation to determine track response before and after treatment.

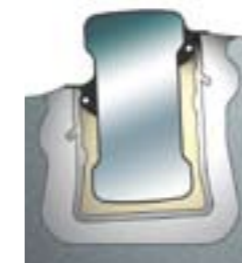
Track stabilisation using XiTRACK™ GeoComposite is quick, cost effective and environmentally friendly; application disruption is minimal.



## Polyurethanes for the rail industry

### DYNATHANE™ Slab Track Embedment

DYNATHANE™ is a microcellular two-component polyurethane elastomer, which is easily tuned to meet individual vibration and shock control issues in a variety of applications, with low cost tooling in many mould configurations.



Integral to increased safety, noise and vibration control the DYNATHANE™ polyurethane elastomer rail pad, was specially

developed by Balfour Beatty and moulded by Polyurethane Products Ltd.

### Silent Track

Developed by Corus Rail and ISVR Southampton University, to reduce freight traffic noise pollution, the HYPERLAST™ polymer encapsulates tuned sound absorbers that are either attached



to the rail before installation or retrofitted in service. Test track results show noise reductions of around 6dB.

### TRAFFIDECK™ Waterproofing and Anti-slip surfaces

- Anti-Skid deck coatings
- Waterproofing and Surfacing Car Parks
- Bridges and Tunnels
- Platforms
- Footbridges
- Fast application, minimal disruption to traffic

TRAFFIDECK™ is specifically designed for platforms and car decks. It is easy to apply, with excellent bendability and crack-bridging properties.

Available in a range of light-stable colours, TRAFFIDECK™ coating is only installed by approved contractors, who meet quality standards and procedures to allow the Warranty to be issued.

