



Series Six - Rail Embedment Resin

SILENT STRENGTH. SEAMLESS PERFORMANCE.

Silent Strength. Seamless Performance.

For over 30 years, Series Six - Rail, a two-component modified polyurea system, has been trusted to embed and protect light rail lines.

Engineered for long-term durability, weather resistance, and rail insulation, it prevents road damage and ensures lasting performance.

When used with the Series Six - Rail Primer, it delivers a superior chemical bond to concrete, steel, and other substrates—guaranteeing seamless adhesion and reliability.

Series Six - Rail is designed and manufactured in Wiltshire, UK and is technically supported by our team of in-house chemical engineers.

Smooth, Silent Operation

Experience rail comfort redefined. Series Six - Rail delivers exceptional noise and vibration reduction through a resilient, cast-in-place layer that ensures continuous, void-free contact beneath the rail.

The result: smoother, quieter, more comfortable travel — true silent tracks.

- Precision-engineered Shore A hardness for optimal rail deflection and vibration dampening.
- Continuous, homogeneous fixation eliminates voids for consistent performance.
- No disbondment between encapsulant and substrate — concrete or metal — ensuring lasting adhesion and structural integrity.

Built to Last

Designed for long service life with minimal maintenance, Series Six - Rail withstands dynamic loads, environmental stress, and mechanical fatigue without compromise.

- Load-bearing formulation maintains permanent alignment and track stability.
- Resistant to water, detergents, fuels, oils, and cleaning chemicals.
- Hydrophobic and UV-stable for long-term durability and appearance retention.
- No tearing or splitting, even around surface imperfections or trapped air bubbles.
- ANTISKID-Enhanced Polyurea – Optional surface coating delivers exceptional wet-surface traction and improved safety under all conditions.

Safe. Reliable. Proven.

Safety is engineered into every layer. Series Six - Rail combines mechanical resilience with electrical insulation to protect both infrastructure and signalling systems.

- High electrical resistivity prevents stray current leakage.
- Consistent performance backed by proven materials and extensive field experience.

Versatile & Easy to Apply

Compatible with all standard rail types and substrates, Series Six - Rail adapts effortlessly to any installation method.

- Suitable for tram, train, underground, and elevated systems.
- Fast & clean installation.



Series Six - Rail — Quiet Confidence for Every Track

From urban tramways to heavy rail, Series Six - Rail ensures smooth rides, silent tracks, and enduring reliability.

Engineered for performance. Built for longevity.

Series Six - Rail is available in the following sizes.

KITS: 1 Base + 1 Hardener

8 litre kit

4 litre kit

2.5 litre kit

1.5 litre kit

Primer

5 litre, 2.5 litre & 1 litre

Kits are pre-weighed at the correct mix ratio (by weight) 2:3 (base:hardener) for ease of use.



.....

ALH SYSTEMS LIMITED



+44 (0) 1373 858234
sales@alh-systems.co.uk
alh-systems.co.uk



1 Kingdom Avenue
Northacre Industrial Park
Westbury
Wiltshire UK
BA13 4WE

