

NEW GENERATION block systems: Corkelast® EBS-RF edilon)(sedra successfully installs RetroFit solution for worn-out tunnel tracks

- A fast and reliable replacement solution
- Perfect electrical isolation and water tight solution
- Virtually maintenance-free elastic RetroFit block system - strong reduction of future maintenance budgets
- Noise and vibration reduction

Introduction

Traffic congestion, combined with wet and humid tunnel conditions leads to damaged and worn-out booted (bi-)block systems. Increased rail wear, track geometry problems, broken and corroded tie-bars, concrete damage, track instability, electrical isolation and signalling problems are often found in these track locations.

Tracks often suffer from emergency service interruptions and nightly visual inspection. Taking tracks out of operation is virtually impossible as this involves huge costs. Nightly maintenance operations of just a few hours are extremely critical to ensure the continuation of operational traffic the next day.

THE PROBLEMS



Water ingress



Damaged booted blocks



Corrosion



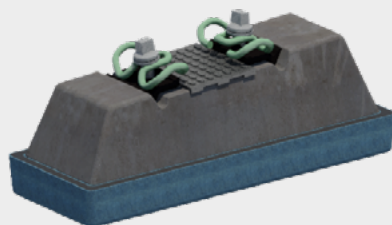
Distorted rubber boots

THE SOLUTION Corkelast® EBS-RF

The Corkelast® EBS-RF is supplied as a complete prefabricated unit ready for installation in the track. The resilient block is fixed to the concrete pocket by means of a fast curing cementitious grout.



Fast replacement method



Prefabricated block + Corkelast® tray



Pocket

Grout



The solution

The solution lies in a new system of the Corkelast® EBS family: EBS-RF. The basis of this innovative RetroFit track system consists of a durable block with integrated elastic tray, both prefabricated under controlled conditions. The system has been tested and approved according to EN and Arema norms for all traffic categories, and is suitable for all axle loads. Furthermore, it can be adapted to any size to fit the existing pocket after removal of the booted blocks. Corkelast® EBS-RF is supplied as complete unit, ready for immediate application and quick installation. The EBS-RF unit is aligned in the existing concrete pocket. After the track geometry has been realized the block is fixed in the pocket by means of a fast curing cementitious grout.

The result?

A state-of-the-art and durable block track, ready for the transportation of millions of passengers for years to come.

Full-service partner for RetroFit projects

As a full-service partner, we provide you with total peace of mind before, during and after your block track RetroFit project: from the very first track/tunnel inspection to planning and engineering of the block track installation, from local (nearby tunnel) production of our block systems to logistics, and from the efficient installation of our blocks to supervision.

More info or a free consultation to analyze the possibilities for your maintenance challenge?

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