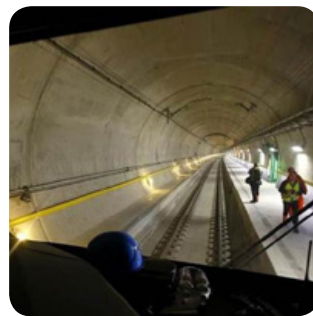




edilon)(sedra Corkelast® EBS-RF Embedded Block System – RetroFit

New Generation of EBS: Solution for the replacement of damaged and worn “rubber booted (bi-)blocks” in tracks



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It is with well-deserved pride that edilon)(sedra presents its Corkelast® EBS-RF, a state-of-the-art block-based retrofit solution for the replacement of damaged and worn out booted (bi-)block tracks - a solution that can even be implemented during short overnight possession times!

Increasingly, heavy duty rail traffic, combined with wet and humid tunnel conditions lead to damaged and worn out booted (bi-)block systems. This results in higher vibration, increased rail wear, broken tie-bars, concrete damage and track instability. Moreover, such booted (bi-)block systems are sensitive to water ingress, resulting in electrical isolation and signalling problems. As a consequence, metro and main lines often require extensive service interruptions. Also, rails are replaced proactively to assure track availability.



Water ingress old booted block



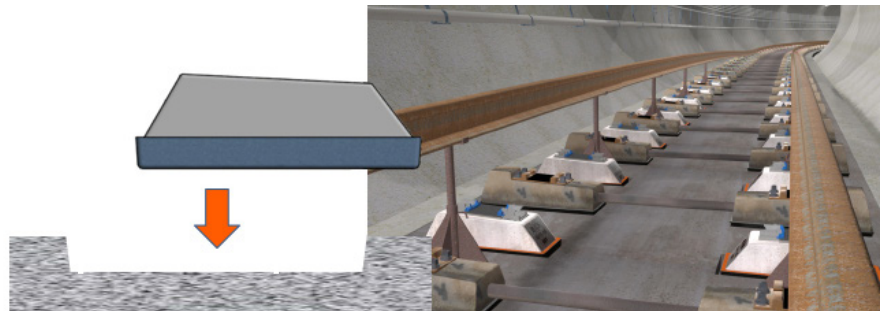
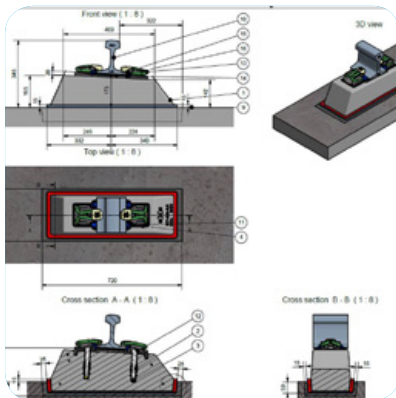
Broken tie-bars



Damaged rubber boots

How can these undesirable out-of-service periods be prevented?

The solution lies in edilon)(sedra's latest elastic technology: Corkelast® EBS-RF. The basis of this retrofit track system consists of a durable block with integrated elastic tray, both prefabricated under controlled conditions. The system has been tested according latest EN and Arema norms and is approved for Category B metro lines. 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. edilon)(sedra can assist with local production facilities. As full-service partner, edilon)(sedra supplies on-site installation methods as well as supervisory services – depending on customer requirements, of course!



The result?

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



General advantages

- Full service project involvement: track inspection and engineering, (vibration) consultation, application engineering, design & validation, project planning, system supply & logistics, installation, supervision, maintenance
- Easy and quick installation
- Can be adapted to any size to fit the existing pocket
- No drilling in porous concrete needed (no anchor based system)
- Watertight system. Optimal electrical insulation
- Highly durable
- EBS assembly ready for immediate application
- Local production

