

HÜRLIMANN
RAILTEC AG



HRT-FiX
SLOPE

«SLOPE»

Slope protection you can rely on.

Where terrain presents challenges, intelligent technology provides greater stability and safety.

Slopes are exposed to a wide range of loads and environmental conditions every day. Stable ballast slopes are essential, particularly on steep slopes adjoining **roads, paths, watercourses or agricultural land**.

Our solution bonds individual ballast stones together to form a **stable, load-bearing surface**. The ballast is bonded over the full surface area and to the required depth, effectively preventing **material migration, slippage and individual stones from breaking away**.

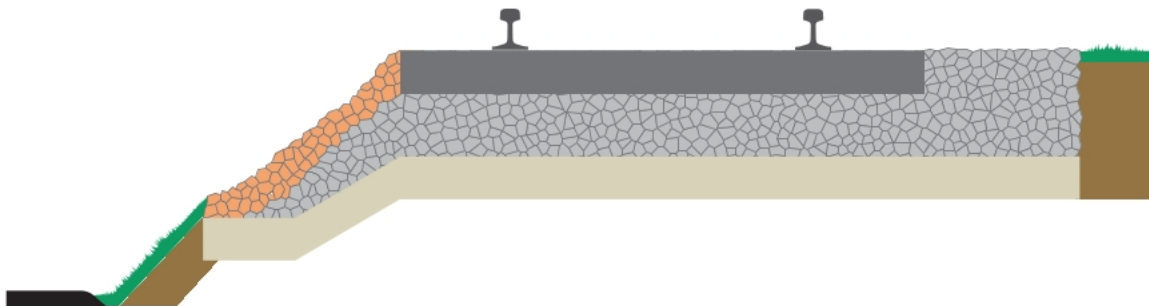
Where required, the surface can also be treated to provide a slip-resistant finish, providing safe pedestrian access where required.

A particular advantage is that the natural function of the slope is retained. **The geometry and water-permeable structure of the ballast** are preserved while its stability is significantly increased.

For additional durability, **SLOPE-treated areas** are provided with a **UV-protective coating, either clear or pigmented**. This protects against UV radiation and supports the long-term performance of the system, even under demanding environmental conditions.

Stable without changing its natural function. Protected without sealing.

Loose ballast is transformed into a reliable bonded structure – turning a potential weak point into a **long-term stabilised slope**.



Globally **unique** technology

With our proprietary, globally patented application technology, we have developed a unique approach to automated ballast bonding. Developed over many years and proven across numerous projects, the system enables precise, efficient and controlled bonding – even under demanding conditions.

- ✓ Proprietary, globally patented process
- ✓ Fully automated, self-monitoring application process
- ✓ Up to 4,000 m bonding capacity per hour
- ✓ Complete documentation of all relevant process data
- ✓ Engineered bonding performance that can be calculated and verified
- ✓ Up to 70% cost savings compared with conventional methods
- ✓ Significantly fewer personnel required on or near the track

Our technology has made ballast bonding automated, standardised and verifiable, setting a new benchmark for the environmentally responsible application of synthetic resins in railway track construction.



Innovation meets **environmental** responsibility!

Our innovative, in-house developed application technology sets new standards for precision. Precise dosing of our synthetic resin binders helps prevent incompletely mixed resin components from being washed out on contact with water and entering the groundwater.

THE RESULT

- ✓ Precise dosing on every application
- ✓ Enhanced protection of groundwater
- ✓ Consistent quality through automated application technology

For us, sustainability is not a trend, but a responsibility to society and future generations!

Put our experience to work on your project.



Submit a Project

Send us your project details.

We will undertake a feasibility assessment and provide an initial cost estimate.



Personal Consultation

Our team will be pleased to discuss your requirements and provide expert advice on your project.

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