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ELTECPUR® rail

Elastic moulded parts made from eco-friendly rubber granules

ELTECPUR® rail SEAMLESS TRACK SYSTEM

Rail mounting systems for fastening-free track support systems

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HET ELASTOMERTECHNIK

HET and Tradition

HET Elastomertechnik GmbH, established in 1991, manufactures molded parts using high-quality recycled rubber. Our core business is the production of rail insulation systems for metropolitan railways. For this sector, we produce components for various track systems and track crossing systems as individual solutions for local rail traffic for streetcars in Germany and abroad.

Our operations cover everything from the development to the production of these systems. Close cooperation with our customers and our own continuous technical production developments have enabled us to repeatedly introduce innovations, which we have registered and received numerous patents for.

THE HEART OF OUR COMPANY

We are committed to providing our customers with a cost-effective solution that enables them to acoustically and electrically insulate streetcar tracks and railway tracks, while meeting noise reduction and vibration minimization requirements, as well as compliance with the electrical requirements of EN 50 122-2. And we do this without losing sight of the respective project specifications while ensuring international standards are always met.

Our references include many thousands of kilometers of track in Europe and further abroad. Numerous transport companies at home and abroad have been using our ELTECPUR® rail insulation systems for many years. Our customers place their trust in our many years of experience and use of state-of-the-art technology.

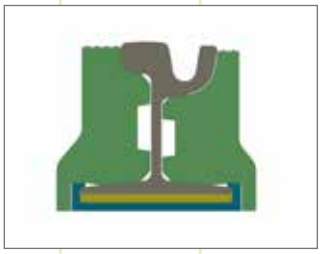
At our company, the following important criteria are always a priority during development:

- Cost-effectiveness
- Compatibility with road constructions
- Eco-friendliness
- Vibration damping properties
- Easy installation

Customized Solutions

ELTECPUR® rail SEAMLESS and SEAMLESS PLUS TRACK SYSTEMS are used for projects where continuous rail mounting without fasteners is desired. Tie-bars can also usually be dispensed with. Tie-bars are recommended for curves, which is why these systems are preferably used for concrete superstructures.

ELTECPUR®rail SEAMLESS TRACK SYSTEM



ELTECPUR®rail SEAMLESS PLUS TRACK SYSTEM

ELTECPUR® rail SEAMLESS und SEAMLESS PLUS TRACK SYSTEMS are continuously mounted rail mounting, rail fixation and rail insulation systems that are tested in accordance with EN 13481-5. They are comprised of an inner and an outer element and an elastic rail foot profile. Depending on the design of the streetcar track/track superstructure, the rail foot profile can be optionally produced with different spring characteristic curves for the desired rail deflection or insulation performance, as well as for Vignoles rails with an integrated rail inclination (such as 1:20 or 1:40). When mounted in concrete, our ELTECPUR® rail SEAMLESS TRACK SYSTEM stabilizes the rails and ensures compliance with the requirements of EN 13481-5, while providing vibration damping and electrical insulation for the surrounding area.

The elements are always manufactured to precisely fit the respective track profile. The special geometry of ELTECPUR® rail SEAMLESS TRACK elements prevents concrete penetration during the surface closing phase. A textured surface is possible to provide a certain non-slip effect.

The Advantages of ELTECPUR® rail SEAMLESS TRACK SYSTEMS

The ELTECPUR® rail SEAMLESS TRACK SYSTEM combines the advantages of continuously mounted rails with the possibility of installing the entire system using the 'top-down' method and without the need for fasteners. This, along with the low number of individual parts, simplifies and speeds up installation considerably. The system is suitable for both grooved rails and Vignoles. Suitable mounting aids (portals, etc.) are included in the system.

- **Vibration damping**
- **Electrical insulation / waterproofing**
- **Stability**
- **Compatibility with both hot pouring of joint sealants and plastic joint sealants**
- **Handiness / precision fit**
- **100% recyclable**
- **Positive ecological footprint**
- **No maintenance necessary**

Technical data:

- Bulk density: ~1.1 g/cm3 (DIN 52102-RE-VB)
- Material properties in accordance with DIN 45673-8
- Resistance to water and deicing salts in accordance with
- sections 6.4.3 and 6.4.4
- Resistance to aging in accordance with section 6.4.5
- Electrical insulation in accordance with DIN EN 50122-2
- Heat resistance within the range of surface welding temperatures (+ 300°C)

References

We have successfully implemented numerous projects of various sizes for our customers. HET Elastomertechnik GmbH is in a position to provide references throughout Europe and in Asia, North America, Northwest Africa and the Middle East.

All of the brochures and information material we provide are intended to advise you to the best of our knowledge. However, their content is not legally binding. We reserve the right to make technical changes.

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