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ELTECPUR® rail

Elastic moulded parts made from eco-friendly rubber granules

ELTECPUR® rail GREEN TRACK SYSTEMS

Insulation systems for green tracks

HET Elastomertechnik GmbH
Hagenauer Straße 53 ■ 65203 Wiesbaden
T: +49(0)611 50 40 29-10 ■ info@het-group.com

het-group.com

/hetsocialmediateam @het_elastomertechnik

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.

BACKGROUND

In these times of increased awareness of the impact on the environment, rail-based transport with modern vehicles and innovative traffic management has become very important in urban public transportation. Wherever tracks are not traveled by individual vehicle traffic, green tracks are being used to create new green spaces in often highly paved downtown areas of cities. Green tracks upgrade a city's appearance and ensure better acceptance of streetcars among the residents. Green tracks reduce noise and bind dust and pollutants. They also facilitate the retention of rainwater, improving the urban climate.

There are a large number of different green track design types, which can differ significantly in terms of manufacture and maintenance. However, green track designs can be categorized into three construction types.

- Green tracks with high-level vegetation
- Green tracks with low-level vegetation
- Green tracks with mixed vegetation
  (outside high, inside low)

Customized Solutions

ELTECPUR® rail GREEN TRACK SYSTEMS are available for high-level vegetation green tracks and green track combinations; for both continuously mounted rails and tracks mounted on sleepers and ribbed plates.

ELTECPUR® rail GREEN TRACK SYSTEM KASSEL VERSION

- Wide elements
- Rail head exposed or up to height of rail head upper edge
- System for tracks mounted on sleepers and rip plates
- For Vignole rails and grooved rails
- Adjustable for sleepers/ribbed plates and distances
- One-piece system, rail fastening is completely covered
- Optionally delivered with our patented ELTECPUR® rail Connector
- Optional accessibility by emergency vehicles

ELTECPUR® rail GREEN TRACK SYSTEM MANNHEIM LIGHT VERSION

- Narrow elements, rail head exposed
- System for tracks mounted on sleeper and ribbed plates
- For Vignole rails
- Adjustable for sleepers/base plates/fastenings and sleeper/base plate spacing
- Three-part system
- Available with patented compression discs to minimize cutting efforts
- Available with matching protective cover caps

ELTECPUR® rail GREEN TRACK SYSTEM MULTIPART VERSION

- Narrow elements
- Rail head exposed or up to height of rail head upper edge
- System for tracks mounted on sleepers and ribbed plates
- For grooved rails
- Adjustable for sleepers/ribbed plates and distances
- Three- or four-part system
- Available with patented compression discs to minimize cutting efforts
- Optionally delivered with our patented ELTECPUR® rail Connector
- Available with matching protective cover caps

ELTECPUR® rail GREEN TRACK SYSTEM STANDARD VERSION

- Narrow elements
- Rail head exposed or up to height of rail head upper edge
- System for tracks mounted on sleepers and ribbed plates and continuously mounted rails
- For Vignole rails and grooved rails
- Adjustable for sleepers/ribbed plates/hold down clamps and distances
- Multi-part system
- Optionally delivered with our patented ELTECPUR® rail Connector
- Available with matching protective cover caps

The Advantages of ELTECPUR® rail GREEN TRACK SYSTEMS

With our ELTECPUR® rail GREEN TRACK SYSTEMS, we provide our customers with a cost-effective solution to acoustically and electrically insulate streetcar tracks, minimizing noise and vibration. These systems also meet the electrical requirements of EN 50 122-2 and comply with international standards. Our GREEN TRACK SYSTEMS can be used for all track types, are quick and easy to install, and, if necessary, they can be produced as self-clamping, eliminating the need for installation aids.

- **Vibration damping**
- **Electrical insulation / waterproofing**
- **Resistance**
- **Handiness / precision fit**
- **100% recyclable**
- **Positive ecological footprint**
- **No maintenance necessary**

Technical data:

- Apparent density: ~1.1 g/cm3 (DIN 52102-RE-VB)
- Material properties in accordance with DIN 45673-8
- Resistant to water and deicing salts in accordance with sections 6.4.3 and 6.4.4
- Resistant to aging in accordance with section 6.4.5
- Electrically insulating in accordance with DIN EN 50122-2
- Heat resistant within the range of the temperature of deposit welding (+ 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.

HET Elastomertechnik GmbH | Hagenauer Straße 53 | 65203 Wiesbaden (Germany) |
T: +49 (0)611 504029-10 | info@het-group.com | het-group.com

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HET ELASTOMERTECHNIK
QUALITY AND SERVICE – OUR KEY TO SUCCESS