
KELTRACK® Trackside Transit
Top-of-Rail Friction Modifier

SECTOR

Rail Infrastructure

AVAILABLE

Globally

SECTOR

Rail Infrastructure

AVAILABLE

Globally

KELTRACK® Trackside Transit Top-of-Rail Friction Modifier

L.B. Foster Rail Technologies has combined its detailed knowledge of the wheel/rail interface with rigorous scientific analysis and on-track field testing to create a line of exceptional top-of-rail (TOR) products. Our core objective is to provide our customers with advanced products that consistently and reliably protect the wheel/rail interface while also generating additional savings and operational improvements.

L.B. Foster's **KELTRACK Trackside Transit** is a top-of-rail friction modifier specifically designed for Transit environments. It is a water-based engineered composite of inorganic solids, polymers and friction modifying additives that provides excellent protection in the wheel/rail interface without the use of oils. When applied, **KELTRACK Trackside Transit** quickly dries under passing wheels to form a thin film of friction modifier material that creates the ideal conditions of intermediate and positive friction. The intermediate coefficient of friction reduces the wear and rolling contact fatigue (RCF) on the wheel and rail without affecting vehicle traction and braking performance, while the positive friction eliminates the stick-slip oscillations that result in top-of-rail squealing noise and corrugation. For over 20 years, **KELTRACK Trackside Transit** has proven its ability to significantly improve ride quality, reduce system maintenance cost and extend infrastructure lifetime. **KELTRACK Trackside Transit** has exceptional product stability and does not separate in storage or application tanks. The product is manufactured in accordance with L.B. Foster's ISO 9001:2015 registration to guarantee exceptional batch-to-batch consistency. Furthermore, **KELTRACK Trackside Transit** is environmentally benign, stable, non-volatile, and non-flammable.



KEY BENEFITS

- > Provides friction control in targeted areas for transit systems
- > Dramatically reduces or eliminates top-of-rail squealing noise
- > Improves vehicle steering to reduce flanging noise and wear
- > Mitigates corrugation and RCF growth
- > Extends grinding intervals and reduces track maintenance
- > Does not affect traction or braking performance
- > Does not affect track signalling systems
- > Exhibits exceptional product stability and batch consistency

KEY FEATURES

- > Top-of-rail friction modifier
- > Water-based drying material that does not contain oil
- > Intermediate and positive friction characteristics
- > Non-flammable and environmentally friendly
- > Quality and consistency controlled under L.B. Foster Rail Technologies' ISO 9001:2015 certified quality program
- > Available globally in 5 gallon (19 L) pails
- > Suitable for a variety of trackside application systems

KELTRACK® Trackage Transit Top-of-Rail Friction Modifier

TECHNICAL SPECIFICATIONS

	Method	Unit	KELTRACK® Trackage Transit
Product Code			504-TS2-19000 (5 gal, 19 L Pail, with liner) 504-TS2-19000-NL (5 gal, 19 L Pail, no liner)
Appearance			Gray Thixotropic Gel
Base			Water
Viscosity at 77 °F (25 °C)	Brookfield RV6 at 20 rpm	cP	4,200 - 5,050
Density at 77 °F (25 °C)	ASTM D1475	g/cm ³	1.07 - 1.09
Freezing Point	ASTM D2386-97	°F (°C)	21 °F (-6 °C)
pH	ASTM E70		9 - 10
Product Stability ¹	Modified ASTM D2243-95		Pass
Shelf Life ²			2 Years
Flammability			Non-Flammable
Aquatic Toxicity	OECD 203		Non-Toxic
Bioaccumulation			Product has low mobility and is not expected to bioaccumulate

NOTES

1. The product stability test accelerates the effect of freeze-thaw cycling on the product stability of water-based materials. The material is cycled from 0 °F (-18 °C) to 158 °F (70 °C) continuously over a week of testing. A pass indicates that no signs of product separation or settling have occurred during the test.
2. Shelf life is 2 years from the manufacture date. The product must be stored in recommended storage conditions to meet this shelf life. Recommended storage is within a warehouse at a temperature between 41 °F (5 °C) and 95 °F (35 °C). Avoid exposure to heat sources such as direct sunlight. Keep containers sealed to prevent water loss.
3. For additional technical information, please contact your L.B. Foster representative.

Data provided in this bulletin is to be considered as representative of current production generally and not as specifications. While the data presented in this bulletin is believed to be reliable, conditions of use are beyond our control and L.B. Foster makes no representations, guarantees or warranties, expressed or implied, including but not limited to any implied warranty or fitness for a particular purpose or as to the correctness or sufficiency of data herein presented. Each user should conduct a sufficient investigation to establish the fitness of any product for its intended purpose. No agent, representative or employee of this company is authorized to vary any of the terms of this notice.

Asia Pacific

L.B. Foster Rail Technologies, Corp.

Tel: 1-604-415-3025

APACSales@lbfoster.com

China

L.B. Foster Technologies (Beijing) Ltd.

Tel: (+86) 10-6462-0986

lbftbj@lbfoster.com

Europe

L.B. Foster GmbH

Tel: +49 23231761920

info.de@lbfoster.com

United Kingdom

L.B. Foster Rail Technologies (UK) Ltd.

Tel: +44 (0) 114 256 2225

UKsales@lbfoster.com

South America

L.B. Foster Rail Technologies, Corp.

Tel: 1-604-415-3026

TotalFrictionManagement@lbfoster.com

North America

L.B. Foster Company

Tel: 1-866-523-7245

TotalFrictionManagement@lbfoster.com

LB Foster[®]