



KELTRACK® Transit EX

High Performance Top-of-Rail Friction Modifier

SECTOR

Rail Infrastructure

AVAILABLE

Globally

TECHNICAL SPECIFICATIONS

Product Feature	Method	KELTRACK® Transit EX
Product Code	-	511-TS1-19000 (5 gal, 19 L Pail, with liner)
Appearance	-	Gray thixotropic gel
Base	-	Water
Viscosity	Brookfield RV6 at 20 rpm and measured at 77 °F (25 °C)	4,200 - 5,050 cP
Density	ASTM D1475 measured at 77 °F (25 °C)	1.07 - 1.09 g/cm ³
Freezing Point	ASTM D2386-97	-17 °F (-27 °C)
pH	ASTM E70	9 - 10
Product Stability ¹	Modified ASTM D2243-95	Pass
Friction level ²	L.B. Foster Method	Intermediate (0.30 to 0.40)
Product Retentivity ³	Modified EN 16028	Exceeds traditional L.B. Foster TOR products
Flammability	-	Non-flammable

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. Friction levels were assessed in-house using a Salient Systems push tribometer. Material was applied in a known amount (known film thickness) and allowed to dry before taking measurements.
3. Measured film durability (retentivity) using a twin disc machine is a qualitative and relative assessment of a TOR friction control product's performance under simulated load and slip conditions found at the wheel/rail interface. Products that are considered superior as measured against a defined industry benchmark are viewed as having the ability to offer additional value to customers in the form of longer carry down (improved coverage extent) or lower application rates (product consumption) to achieve the same benefits.
4. 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.
5. For additional technical information, please contact your L.B. Foster representative.

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