

**Formula: Tramway**

Solid Dry Lubricant System

**RAIL PROTECTOR® RED**

## Product Characteristics

- » Innovative solid lubricants - Top Lubrication Performance
- » Operation dry lubricant
- » Comply with EN 16028:2012
- » Comply with EN 45545-2
- » Conform to ISO 14001:2015 / ISO 9001:2015
- » Non-Toxic
- » Non Halogen
- » Cleaner, Safer and higher Availability compare to liquid lubrication
- » Made in Austria



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## Product Description

RAIL PROTECTOR® RED is designed for Tram systems and basically compatible with other lubrication systems. A special combination of highly effective solid lubricants reduces the friction coefficient of the loaded surfaces to a minimum, to reduce wheel flange and rail wear tremendously.

## Benefits

- Optimized lube consumption by Individually defined strength of the carrier material
- Reduced wheel flange and rail flank wear
- Non flammable acc. EN 45545-2
- Energy saving
- Noise reduction
- Stable Lube film does not affect other areas
- Positive impact on derailment safety
- Optimised maintenance loops

## Implementation

The applicator mounted onto the bogie will be charged with RAIL PROTECTOR® RED. A constant-force-spring applies a thin lubricant film permanently onto the wheel flange. The individually defined strength of the carrier material optimises the lube consumption based on the required lubrication performance. The applicator is available in standard designs which can be usually customised easily to any Rolling Stock system.

## Note

The dry lubricant system RAIL PROTECTOR® RED is basically compatible with other lubrication systems and a combination of RAIL PROTECTOR® formulas is also admissible.

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## Technical Data

Production	RAIL PROTECTOR® RED is produced in Austria and conform to ISO 14001:2015 / ISO 9001:2015
Format	RAIL PROTECTOR® RED dispences lubricant to the wheel flange when moving and is basically dry.
Composition	conform to REACH
Storage	Protect from moisture, storage temperature range 5° - 40° Celsius. protect from direct sun and contact with heat.
Appearance	Dark-grey with blue identification marking and imprint
Odour	The product is odourless
Melting Point	The product is produced from a non melting chemical substance. The degradation process starts at >260° Celsius. A melting point (nominal temperature) is inapplicable
Fire safety	Oxygen Index: OI > 28 Classification for EN 45545-2 (HL3>32; HL2 >28; HL1>28)
Mass Density	ca. 1,80 g/cm <sup>3</sup>
Weight	~110 g
Further Applicable Standards	DIN EN 16028:2012 EN ISO 2592 EN 45545-2 ISO 14001:2015 ISO 9001:2015

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