



CICO® RS 20 B



RAIL SURFACE AND WHEEL FLANGE TREATMENT

Product benefits

- no squeaking in curves
- reduced wear on wheel and wheel flange
- prevents cracking and metal chipping
- good stability, high compressive strength
- high surface adhesion, no spinning off
- no gumming, does not bind dirt
- low consumption
- suitable to apply down to -40°C
- temperature resistant from -100 to +500°C
- environmentally friendly, no dangerous material



Description

CICO® RS 20 B, rail surface and wheel flange treatment, is a thixotropic product that is successfully used in the rail vehicle sector to reduce wear and noise, especially against curve squeal. It was developed for use in special lubrication equipment for both wheel and wheel flange lubrication.

CICO® RS 20 B is characterized by a high solids content and good stability. Even at low consumption, the strongly adhering dividing film ensures a dry and homogeneous surface coating. The dividing agent is effective even under extreme environmental conditions. Small existing cracks and metal chipping in the surfaces of the wheel and rail are eliminated and even surfaces are produced.

CICO® RS 20 B can be applied at temperatures down to -40°C. The effectiveness of the dividing film is maintained in the temperature range from -100° to +500°C. A connection with rail abrasion and road dirt is avoided. Spinning off or damage to surrounding components is virtually eliminated, and material wear and cleaning effort are significantly reduced.

No negative impact on the braking effect with the appropriate dosage. The use of **CICO® RS 20 B** increases the safety and efficiency of vehicle operation. Curve squeal is eliminated and noise pollution is significantly reduced.

Application information

CICO® RS 20 B can be applied to the running wheels or to the rail head by means of suitable spraying systems. These systems can be installed both in rail vehicles and on special rail maintenance vehicles. Application by hand is also possible.

Since the influence on the braking behavior is essentially dependent on the type and quantity of dosing, we recommend carrying out your own tests under realistic conditions. We offer experienced guidance for this.

CICO® RS 20 B is supplied in 10 kg, 25 kg and 200 kg containers. Other container sizes on request.

Technical specifications

Substance name	CICO® RS 20 B
Colour	gray
Density (at 20°C)	1.03 g/cm ³
Viscosity (Brookfield LVT; 1.5 rpm; 24°C; spindle no. 1)	1150 mPa.s
Application temperature	-40°C to +90°C
Temperature range of lubrication	-100°C to +500°C
Flashpoint	255°C
Kinematic viscosity (ISO 3104; at 24°C)	317 mm ² /s
Ignition point	>350°C
Thermal decomposition	>350°C
Dangerous reactions	none
Biodegradable (CEC-L-33-A-94)	>90% (base oil)
Water hazard class (WGK)	1
Disposal (AVV)	130207
Transport	no dangerous goods
Storage stability	at least 2 years