



CICO® SM 1200 MB

RAIL HEAD SURFACE TREATMENT



Product benefits

- eliminates squeaking in curves
- prevents cracking and metal chipping
- can be applied down to -40°C
- high temperature resistant
- water repellent, salt water and chemical resistant
- environmentally friendly, no dangerous material
- application either manually or with a suitable application system



Description

CICO® SM 1200 MB, rail head surface treatment, is a metal-based solid treatment agent. It prevents squeaking in bends in rail curves.

CICO® SM 1200 MB immediately and successfully eliminates the annoying squeaking of curves. Thanks to its exceptional adhesion properties, even a very thin film on the rail head offers long-term protection and a reduction of rail noise and rail wear at critical points. It penetrates readily into small pores and crevices and forms a thin lubricating and protecting film. Due to the evenly spread film on the metal surface it does not bind dirt and other impurities.

CICO® SM 1200 MB also adheres to wet rails. The active substance is evenly distributed by the following wheels. This creates a thin surface coating, which needs to be renewed only according to the degree of curve load and environmental conditions. A deterioration of the braking efficiency is hardly or not at all noticeable.

Application information

When applying **CICO® SM 1200 MB** manually using a brush, the agent should be applied as thinly as possible in the curve area: starting at the beginning of the curve on both rail heads in strips of 10 cm length and 5 m apart.

CICO® SM 1200 MB can also be applied to the rail head using suitable high-pressure application systems. Such systems can be installed in rail vehicles or on special rail maintenance vehicles.

CICO® SM 1200 MB is environmentally friendly and not a hazardous material. The carrier is biodegradable.

CICO® SM 1200 MB is supplied in 1 kg, 5 kg and 10 kg containers. Other container sizes on request.

Technical specifications

Substance name	CICO® SM 1200 MB
Color and shape	gray, paste
Boiling range	290-340°C
Density (at 20°C)	1.2 g/cm ³
Viscosity (at 40°C)	45 mm ² /s (base oil)
NLGI class	2
Solubility in water	0.2 g/l
Flashpoint	300°C
Ignition point	>450°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