

TECHNICAL DATA SHEET **IndustrySpecial for Railway tracks**

Product Description

IndustrySpecial for railway tracks is a ready-to-use industrial coating based on reflective membrane technology.

Ingredients

Polyacrylate - dispersion, titanium dioxide, zinc oxide, kaolin, calcium carbonate, silicates, water, propylene glycol, cellulose, preservative, anti-corrosion pigment, anti-corrosion agent

Product Group / GIS Code

BSW20

IndustrySpecial for railway tracks is a durable, hydrophobic protective coating for ferrous metal rails. Due to the special composition of IndustrySpecial for railway tracks, there are a number of energetic applications in summer thermal insulation. The increased block strength and hydrophobicity reduce the tendency to soil.

Scope of application

High resistance to aggressive environmental influences such as smog and ozone, low emission, solvent-free, high UV and weather resistance, reflective, waterproof, hydrophobic, stretchable, thermally soothing.

Product-specific properties

High resistance to aggressive environmental influences such as smog and ozone, low emission, solvent-free, high UV and weather resistance, reflective, waterproof, hydrophobic, stretchable, thermally soothing.

Material characteristics

Density: 1.19 kg/dm³ according to ISO 2811-1

Drying range: sd = 1.7

Sunlight reflection: 84% according to DIN 67507

Chemical resistance: on request

VOC Regulation (EC)

Limit value from 01.01.2010 for coating materials (product cat. d) for wood, metal or plastic materials for buildings, their components and decorative building elements (interior and exterior) = 130 g/l.

This product contains < 9 g/l VOC.

Processing instructions

IndustrySpecial for railway tracks can be applied to all load-bearing, clean, dry, rust-free and grease-free ferrous metal.

Substrate preparation

Metals:

Ferrous metals:

grinding/sandblasting and cleaning

Processing

Processing is carried out using the spraying process. For an initial coating, two coating cycles are necessary. IndustrySpecial for railway tracks is set ready for processing. When using sprayers, the guidelines of the equipment manufacturers must be observed. When using sprayers, the processing consistency can be adjusted with little water. During processing, care must be taken to ensure that the air and object temperature is not below 5°C. This also applies to the entire drying period. Since the binder used is a UV-curing binder, care must be taken to ensure sufficient daylight UV radiation. Before use and after longer interruptions in work, the material must be stirred briefly with a motor whisk.

The drying time between each coating cycle is 12 hours.

Consumption

The consumption of IndustrySpecial for railway tracks is approx. 700 ml/m² for a double coat of paint on smooth, sandblasted rails.

The exact consumption quantities per metre of rail length depend on the rail profile and spraying method and, if necessary, can be determined by means of a test coat. In order to optimise energy efficiency in summer thermal insulation, higher layer thicknesses are required depending on the climate and ambient conditions.

Cleaning the tools

Rinse rollers, brushes and sprayers thoroughly with water immediately after use.

Shades

IndustrySpecial for Railway tracks can be tinted in the NCS, RAL and ClimateCoating® Edition 1 colour systems.

Before processing, the colour must be checked.

Storage and transport

IndustrySpecial for Railway tracks. Close the opening containers well and process them as soon as possible. Can be stored from the date of manufacture: 12 months.

Delivery form

19,0; 1,000 litres

Other container sizes on request.

Disposal

Do not allow product residues to get into the sewer system, water or soil.

Only empty containers should be recycled. Drop off product residues at the responsible collection points.

Waste code no. 080120 according to the EU Waste Register.

Safety instructions

The content of the technical data sheet does not constitute a contractual legal relationship.

In any case, the processor / buyer must check the usability of the material under practical conditions before application.

Do not allow to get into sewers, water or soil. Keep away from food, drinks and feed. Protect from access by children. Areas that are not to be treated must be protected by suitable measures. Protect eyes and skin from splashes. Do not inhale the resulting spray mist when using the spray process.

With the publication of a new technical data sheet, due to the improvement of the product, the above information loses its validity.

The information provided was determined by SICC Coatings GmbH in the laboratory and practice as a guideline. The product information is provided to the best of our knowledge and corresponds to the current state of the art. Environmental influences, materials, application equipment and application techniques are beyond our influence and therefore beyond our responsibility. SICC© 2022