



# Rust Protection Paint

Productinformation Article no. 338-340

14.08.2018

## ■ General information

Micaceous iron oxide is a naturally-occurring, shiny black pigment with a distinct layered, scale-like structure. It is used in large quantities in Kreidezeit Rust Protection Paint and forms a protective 'armour plate' on steel, which greatly increases resistance to water and oxygen. The colour used to be known as 'scale armour'. In addition, the micaceous iron oxide provides excellent protection against deterioration to the paint caused by UV radiation. The linseed oil contained in the paint ensures it sticks well to the substrate.

Kreidezeit Rust Protection Paint comes in the classic **DB 703 tone, Anthracite Grey Metallic**, used by the German railway operator Deutsche Bahn.

Kreidezeit Rust Protection Paint is a **resin-free**, pure oil paint and does not crack, tear or peel, gradually weathering instead. Unlike conventional rust protection coatings, Kreidezeit Rust Protection Paint doesn't let rust spread around scratched or damaged areas. It is easy to clean and restore, and can be repaired in very small patches.

Suitable for steel surfaces that have been rust-treated by hand with scrapers or wire brush (SA 1); no need to remove the rust completely with power tools.

Its anti-rust effect has been tried and tested: Winner of a test conducted on 33 conventional anti-rust paints by the German television programme **ARD Ratgeber Technik** (March 1999).

## ■ Uses

Opaque, weatherproof anti-rust paint for de-rusted, untreated steel surfaces both indoors and outdoors.

Also suitable for use as a decorative paint on wood surfaces.

Kreidezeit Rust Protection Paint can be used on its own or as a primer, depending on the desired look.

- **On its own, 2-3 coats:**  
For matt, satin, metallic surfaces
- **Finish with transparent Wood Lazure:**  
For glossy, rich, anthracite-coloured surfaces
- **Finish with Kreidezeit Stand Oil Paint:**  
For an opaque look in a range of colours

The product must not be painted over with synthetic resin/ acrylic paints or automotive paints. Not suitable for flooring, ovens, radiators and pipes, old synthetic resin-based coats or outdoor horizontal surfaces.

## ■ Properties

- Ready to apply
- Suitable for metal surfaces that have been **de-rusted by hand (no power tools necessary)**
- Long-lasting protection against rust
- no rust spreading around scratched areas.
- Resin-free, weather-resistant and elastic
- Highly opaque, matt
- Tone: DB 703, Anthracite Grey Metallic
- Doesn't crack, tear or peel
- Easy to keep in good condition
- Density: approx. 2 kg / litre
- Cobalt, lead and barium-free
- Vegan

## ■ Composition

Micaceous iron oxide, linseed oil, linseed stand oil, balsamic turpentine oil, talc, silica, clay, zinc white and manganese drier.

## ■ Suitable tools

High-quality paint and round brushes, short-pile paint rollers. Do not use a spray to apply the product.

## ■ Test surface

**It is recommended to test the product on a surface beforehand in order to determine the surface and colour effect.**

## ■ Substrate requirements

The substrate must be untreated, dust-free, clean, dry, non-greasy, chemically neutral, structurally sound and absorbent. The minimum temperature for application is 10°C. Wood: Wood moisture content < 15%.

## ■ Preparing the substrate

- **On metal:**  
Do not use a rust converter! Carefully remove rust from the steel or iron parts to be treated, using a wire brush or sandpaper, then de-dust thoroughly. If necessary, de-grease using Alcohol (article no. 461) or Balsamic Turpentine (article no. 447).  
Soak non-removable rust deposits on scarred surfaces, in corners or in cracks with Base Oil (article no. 300). Using an absorbent cloth, completely clean the surface dry after 10 minutes and allow to dry for at least 1 day.
- **On wood:**  
Remove old coats. Sand down new, weathered or sawn wood (grit P80-100), rounding the edges, and thoroughly dust down.  
Prime wood with Base Oil (article no. 300).  
To do this, follow the instructions in the product information for Kreidezeit Base Oil.



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## ■ Application

Processing and drying temperatures:  
at least 10°C for a minimum of 48 hours.

Stir product thoroughly prior to processing. Remove any layers of oxidation caused during storage; do not stir in. If using containers with different batch numbers, mix and stir together prior to application. The product must not be poured onto surfaces!

Apply product thinly and evenly with a brush or roller. Avoid applying excess amounts or ensure to spread them thinly. Spread out any coalesced paint from the corners using an unloaded brush. Stir occasionally during application.

Only apply subsequent coats once the previous coat has thoroughly dried and when the Rust Protection Paint is no longer slippery to the touch.

## ■ Dilution

It may be necessary to dilute the Rust Protection Paint depending on the temperature, substrate and tools you are working with. The product can be diluted by adding between 5 and 10% of Balsamic Turpentine (article no. 447).

## ■ Number of coats

### Wood (indoors and outdoors):

- 1 coat of Base Oil (article no. 300), see above.
- 2 coats of Rust Protection Paint

### Steel (outdoors):

- 3 coats of Rust Protection Paint

### Steel (indoors):

- 2 coats of Rust Protection Paint

### Zinc (outdoors):

Allow at least 1 year to weather, wash the oxidized surface with soapy water and a scouring pad (do not use steel wool!)

- 2 coats of Rust Protection Paint

## ■ Final treatment / Design

Depending on the desired appearance, the following final coats can be applied to the dried Rust Protection Paint indoors or outdoors:

### For matt, satin, metallic surfaces:

Leave untreated.

### For glossy, rich, anthracite-coloured surfaces:

Apply 1-2 coats of Wood Lazure, colourless (article no. 300).

## For varnished, tinted surfaces:

Apply 1-2 coats of Wood Lazure, colourless (article no. 300), tinted with Kreidezeit Pigments

For an opaque look in a range of colours, apply at least 1 coat of Stand Oil Paint, rich (article no. D 1600-1615)

## ■ Tinting

Do not tint with pigments. For aesthetic purposes, the product can be mixed in any ratio with Kreidezeit Stand Oil Paint, however the product may then lose its anti-rust effect.

## ■ Cleaning the surface

For light dirt, clean only with lukewarm water without any additives. For heavier dirt, clean using Olive Care Soap (article no. 424) or Corfu Soap (article no. 226).

## ■ Care

With a little bit of care, the durability of Rust Protection Paint coatings applied outdoors can be considerably increased.

Visually check coated surfaces at least twice a year for impurities and damage. Do not touch up glossy areas (risk of greasy, sticky surface)!

For areas that have lost their shine, use **transparent** Wood Lazure (article no. 320) or Care Oil (article no. 2409), rubbing it on very thinly with a soaked cloth immediately after noticing. Then after 10 minutes, rub the surface with a dry cloth until a uniform silky-glossy appearance is achieved. The level of protection and original colour intensity will be restored.

## ■ Maintenance

The product will need to be re-applied as soon as outdoor surfaces become heavily weathered, start to chalk, reveal the metal or wood, or rust. Clean with soap as described above and allow to dry. Very stubborn dirt can be removed beforehand with a scouring pad, abrasive cloth or sand paper (P100). Lightly sand glossy areas (grit P100).

You can re-apply the product to the whole or part of the surface as required, as described previously.

## ■ Drying times

Dry and re-coatable at 20°C and 60% relative humidity after approx. 24-48 hours. High humidity and cold temperatures significantly extend the drying time. Hardened after approx. 4 weeks.

## ■ Cleaning the tools

Clean immediately after use with Balsamic Turpentine (article no. 447) and then with Olive Care Soap (article no. 424) or Corfu Soap (article no. 226).

## ■ Application rate

Apply approx. 0.12 litres per m<sup>2</sup> per coat.

Exact consumption rate to be determined on the actual substrate.

## ■ Container sizes:

Article no. 338                      0.375 l

Article no. 339                      0.75 l

Article no. 340                      2.5 l

For prices, please refer to the valid price list.

## ■ Storage

The product will keep for at least 2 years if stored airtight and protected from frost.

## ■ Disposing leftover product

Do not dispose of the product remains in wastewater, but keep hermetically sealed for later use. Dried product remains can be disposed of with household waste. Empty containers can be recycled. Please adhere to current statutory regulations for disposing of paint and paint residues.

## ■ Notes

Due to the content of natural oils, a yellowing occurs on surfaces with low exposure to light. A typical odour is emitted when natural oils dry; this disappears with time.

## ■ EU VOC Value acc. to 2004/42/EC

VOC limit / Max. VOC content (cat. A/d): 300 g/l (2010), Product contains max. 290 g/l VOC.

## ■ Warning

Ensure that work materials that have been soaked with the product, such as cloths and sponges, sanding dust or polishing pads with undried oil, are securely stored sealed in metal containers or in water. Avoid any contact of the oil with porous insulation; otherwise, there is a risk of self-ignition due to the vegetable oil content. The product itself is not self-igniting. Do not pour the product onto surfaces. Please check for allergies to natural substances. **Keep out of reach of children!**



## ■ Hazard Statements

- H226 – Flammable liquid and vapour.
- H302 – Harmful if swallowed.
- H304 – May be fatal if swallowed and enters airways.
- H312 – Harmful in contact with skin.
- H315 – Causes skin irritation.
- H319 – Causes serious eye irritation.
- H332 – Harmful if inhaled.
- H411 – Toxic to aquatic life with long lasting effects.
- EUH 208 – Contains balsamic turpentine. May produce an allergic reaction.

## ■ Precautionary Statements

- P261 – Avoid breathing mist/vapours/spray.
- P280 – Wear protective gloves/protective clothing/eye protection/face protection.
- P312 – Call a POISON CENTER or doctor/physician if you feel unwell.
- P331 – Do NOT induce vomiting.
- P301 + P310 – IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
- P303 + P361 + P353 – IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P305 + P351 + P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P333 + P313 – If skin irritation or rash occurs: Get medical advice/attention.
- P405 – Store locked up.
- P501 – Dispose of contents/container to special disposal.

*The information above was determined based on our most recent experiences. Due to application methods and environmental influences, as well as the varying nature of the substrates, liability for the general validity of the individual recommendations is excluded. Users must test the product prior to application to ensure it is fit for the designated purpose (sample coating).*

*This document is no longer valid if a new version is published or the product is modified. For the latest product information, please contact Kreidezeit directly or visit our website at [www.kreidezeit.de](http://www.kreidezeit.de)*