

Product Data Sheet

TEFROKA® EP Iron Mica

2-comp. epoxy resin based anti-corrosive primer for steel decks containing solvents

Field of Application

TEFROKA® EP Iron Mica is a solvent-containing corrosion protection coating based on 2-comp epoxy resin. It serves as additional corrosion protection together with TEFROKA® EP Zinc Red Lead. By its barrier effect the product offers a high level of corrosion protection as well as optimal adhesion for subsequent coating and painting systems.

Properties

- Good barrier effect
- Contains solvents
- Alkali resistant
- Fast to saponification
- Excellent bonding for subsequent systems

Technical data

Mixing ratio		100 : 20	
VOC - content		ca. 350	g/L
Density	DIN EN ISO 1183 -1	ca. 1,65	g/cm ³
Mix Viscosity		thixotropic	
Solids content		ca. 85	%

Packaging

12 kg unit

Substructure

Requirements

- The coating substructure has to be dry and sound, free of loose particles, oil, fat and other substances affecting the adhesion.
- The temperature of substructure has to be higher than + 5 °C and 3 °C higher than the dew point.
- The condition of substructure generally needs to be checked before application of TEFROKA® EP Iron Mica.

Substructure

Steel-decks

- To be blasted by the shipyard, in a dustfree process PSA 2 1/2.
- Pretreated steel decks need to be treated with a suitable shopprimer.
- Prior to application at least one coat TEFROKA® EP Zinc Red Lead, consumption approx. 250 g/m² has to be rolled on the surface.
- If not please contact us.

Application data

Interval until subsequent coating	(+ 5 °C)	min 36 hours	max 10 days
Interval until subsequent coating	(+ 10 °C)	min 24 hours	max 8 days
Interval until subsequent coating	(+ 20°C)	min 12 hours	max 6 days
Max. rel. humidity (%)		85	
Working time (+ 20 °C)		ca. 8 hours	
Dry film thickness		ca. 100 µm	
Consumption		200 g/m ² /coat	
Object temperature		min. 5 °C and max. 30 °C	
Material temperature		min. 15 °C and max. 25 °C	

Application

Mixing

- Mix component A + B in the supplied mixing ratio.
- Add component B to component A and continue mixing until a homogeneous consistency is reached (approx. 2 - 3 minutes).
- Slowly mixing required (300 - 400 rounds/minute).
- Thoroughly mix including bottom and sides in order to ensure uniform distribution of the hardener.
- Re-pot the mixture and mix again.
- Addition of max. 5 % EP-Thinner is allowed.

Application

- Application e.g. by roller.
- Waiting time for next coat min. after approx. 12 hours (+20 °C)
- Maximum waiting time 6 days (+ 20 °C)
- If needed a second can be applied after this time.
- Other use to be discussed with the manufacturer.

Equipment/Cleaning

- Mixing device, lambskin roller
- Clean tools immediately after use with EP-Thinner.

System products

TEFROKA® EP Zinc Red Lead

Shelf life

12 months. Store in a dry and cool but frost free place in unopened original containers at temperatures between 5 - 30 °C. In case of discrepancies please contact us.

Color

- grey

For reasons related to raw materials and production process there may be slight color differences between the batches.

General remarks

All mentioned figures and consumption values are results which were determined under laboratory conditions. When using the product on the job, deviating values may result. Lower temperatures delay; higher temperatures accelerate hardening and curing of the product. The specified minimum of the application temperatures have to be followed. No other materials may be added and the mixing ratios are not allowed to be changed

Conformity

TEFROKA® EP Iron Mica is a corrosion protection coat which does not require testing according to IMO FTP Code 2010.

Safety

Generally read and observe instructions given in material safety data sheet. Store and apply in accordance with local guidelines and regulations.

General Notes

This product data sheet is based on the latest state of art and our experience and it is giving recommendations based on our best knowledge. However, it is without legal binding and establishes neither a contractual legal relationship, nor a secondary obligation on any sales contract. This product data sheet does not release the buyer or user of the obligation, to check the substructure and the material for the intended purpose. If the buyer or user is going to use the material differently than described above, it needs to be discussed with manufacturer before the application. Without approval of altered use of material, usage is at the buyers or users on risk. This refers especially to combinations with other products. Only product data sheets of latest date are valid.