GTF Freese
Marine Floorings

Product Data Sheet

TEFROKA® EP Zinc Red Lead

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

Field of Application

TEFROKA® EP Zinc Red Lead is a zinc-dust containing anti-corrosive primer based on 2-comp epoxy resin. It serves as active corrosion protection on steel decks and characterizes by its excellent bonding on blasted decks or decks treated with EP- shopprimer.

Properties

• Active corrosion protection	• Contains solvents	• Rapid curing
• Fast to saponification	• Excellent bonding	• Alkali resistant

Technical data

Mixing ratio (by volume)		7,1 : 1		
Mixing Ratio (by weight)		20,5 : 1		
VOC - content		ca. 330	g/L	
Density	DIN EN ISO 1183 -1	ca. 2,6	g/cm³	
Mix Viscosity		thixotropic		
Solids content (by weight)		ca. 87	%	
Solid content (by volume)			ca. 60	%

Packaging

21,5 kg (8,1 l) 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 Zinc Red Lead.

Substructure

Steel-decks
to be blasted by the shipyard up to grade SA 2 1/2.

Application data

Interval until subsequent coating	(+ 5 °C)	min 26 hours	max 90 days
Interval until subsequent coating	(+ 10 °C)	min 18 hours	max 90 days
Interval until subsequent coating	(+ 20°C)	min 8 hours	max 90 days

Mininum temperature	material/atmosphere/object	+ 5 °C
Maximum temperature	material/atmosphere/object	+ 30 °C
Max. rel. humiditiy (%)		80
Working time (+ 20 °C)		ca. 3 hours
Dry film thickness		ca. 85 µm
Consumption		250 g/m²/coat

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 distrubution of the hardener.
- Re-pot the mixture and mix again.
- Addition of max. 5 % EP-Thinner is allowed.

Application

- Application e.g. by roller.
- If necessary apply a second coat (see intervals stated above).
- 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 Iron Mica

Shelf life

12 months. Store in a dry and cool but frost free place in unopened original containers at temperatures between 5 - 30 °C.

Color

- green

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 Zinc Red Lead 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.