GTF Freese
Marine Floorings

Product Data Sheet

TEFROKA® HLS Deck Coating

2-component roller-applied epoxy coating for outside marine decks, highly wear resistant

Field of Application

TEFROKA® HLS Deck Covering is an epoxy resin coating approved according to FTP Code and used as deck coating for outside deck areas. By its high abrasion resistance and high resistance to mechanical strain the product is excellently suitable for example for ramps or helicpopter decks. The product is part of the TEFROKA® HLS Deck Covering system.

Properties

• Jointless	• Highly mechanically resistant	• Highly chemically resistant
• Can be filled with fused alumina	• Abrasion resistant	• Anti-slip properties

Technical Data

Mixing ratio component A : B		6 : 1	by weight
VOC content		19	g/l
Density		ca. 1.53	g/m³
Mixed viscosity 23 °C		1400 ± 200	mPa*s
Volume solids	Weight	> 99	%
Shore hardness	DIN EN ISO 868	D 80	

Packaging

1 unit = 6 + 1 kg / 12 + 2 kg / 24 + 4 kg – Component A + B

Surface Preparation

Surface preparation to be done according to generally recognized rules of technology resp. state of art. The total coating build up also includes corrosion protection (see application instruction TEFROKA® HLS Deck Covering). A coating (shopprimer) being applied during construction has to be removed.
Moreover the substructure has to be dry, free from fat and oil as well as loose parts such as dust etc.

Application data

Application temperature	+10 °C	+20 °C	+30 °C
Ready for foot traffic (h)	72	48	24
Ready for mechanical stress (d)	7	5	4
Ready for chemical stress (d)	14	10	7
Maximum rel. air humidity (%)	80	80	80
Consumption	1.5 kg/mm/m²		
Temperature of object	min. + 10 °C	max. + 30 °C	
Material temperature	min. + 15 °C	max. + 25 °C	

Potlife (+ 20 °C)	approx. 90 minutes

Application Information

Mixing

- Stir up thoroughly component A using a mixing device.
- Add component B and continue mixing until a homogeneous consistency is reached (approx. 2 - 3 minutes).
- Stir up from bottom and sides thoroughly to achieve a uniform distribution of the hardener.
- Re-pot the mixture and mix again.
- A homogeneous lump-free compound should result.

Application

Application according to our separate application instruction for TEFROKA® HLS Deck Covering.

Application remarks

- High temperatures shorten, low temperatures accelerate working time.
- Second sealer coat made of TEFROKA® HLS Sealer as per data sheet
- For intended changes in application please contact us.

Tools/Cleaning:

- Mixing device, short pile roller, rubber wiper, loop roller, spiked roller.
- Cleaning of tools right after use with EP/PU Thinner.

System products

TEFROKA® EP Zinc Red Lead, TEFROKA® EP Iron Mica, TEFROKA® HLS Sealer, fused alumina 0.5 - 1 mm

Storage

12 months, in a cool, dry and frost free place in the unopend, original containers at 5 - 30 °C. In case of discrepancies please contact us.

Colors

- Basalt grey, ca. RAL 7012

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 application temperature has to be followed. No other materials may be added and the mixing ratios are not allowed to be changed.

Conformity

The TEFROKA® HLS Deck Covering System is approved according to IMO FTP Code 2010.

Safety

Read and observe the hazard notes and safety advices as stated in the safety data sheets and observe relevant instructions given by trade associations.

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.