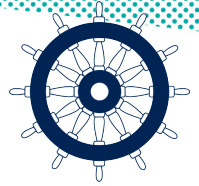


Product Data Sheet



TEFRO®floor EP

2-comp. epoxy resin, solventfree, colourless

1. Field of Application

TEFRO®floor EP is a colourless 2-component epoxy resin approved according to IMO FTP Code. When filled with fire dried quartzsands or coloured quartz sand it is excellently suitable for installation of antislip deck coverings. The product can be used as primer on cement based screeds and for levelling of deck irregularities.

2. Properties

- Colourless, glossy
- Solvent-free
- Seawater resistant
- Highly abrasion resistant
- Excellent bonding
- Highly chemical resistant
- Fast curing
- Fillable with e.g. quartz sand

3. Technical Data

Mixing Ratio	100:45	
VOC Content	145	g/l
Density	approx. 1,12	g/cm ³
Mix Viscosity (23 °C)	500 ± 150	mPa s
Solid Content Weight	75	%
Shore - Hardness DIN EN ISO 868	D 75	

4. Packing

1 Unit = 6,10 kg (Comp. A + B = 4,2 kg + 1,9 kg)

5. Substructure

Requirements

- The substructure needs to be solid, dry, clean and free from grease and oil.
- Temperature of substructure must be higher than + 5°C and 3°C higher than the dew point.
- The condition of the substructure always needs to be checked before application of TEFRO®floor EP.

Substructures

a) Steel-decks

- Steel-decks are pretreated by the shipyard and primed with a suitable shopprimer.
- If no shop-primer has been applied, please contact us.
- Shop-primed decks to be slightly grinded again and primed with f.e. TEFROKA CF Primer.

b) Aluminium decks and galvanized steel decks

- These surfaces have to be clean, grinded and primed with a suitable primer, f.e. TEFROKA CF Primer.

c) Cement based substructures

- Absorbent mineral subfloors can be primed with TEFRO®floor EP.
- Any necessary surface preparation to be agreed with us as needed.
- At a residual moisture of below 4 M% of the substructure application can be continued.
- The substructure is primed with TEFRO®floor EP and sprinkled with quartzsand.

d) EP-/PU-decks

- Existing coatings can be directly coated if applied max 48 hours before.
- If not, the existing coating has to be slightly grinded.
- Remove grinding dust.

6. Application Information

Temperature of atmosphere	+10°C	+20°C	+30°C
Ready for foot traffic (h)	30	15	7
Ready for mechanical strain (d)	7	5	4
Ready for chemical strain (d)	14	7	4
Max. rel. humidity in (%)	80	80	80
Pot Life	approx. 45 minutes (+20°C)		
Consumption Mortar	approx. 2,0 kg/m ² /mm		
Temperature of Object	min. + 12 °C and max.+ 30 °C		
Product Temperature	min. + 15 °C and max. + 25 °C		

6.1 Instruction for Use

Mixing

- Mix component A and B in the specified mixing ratio 100:45.
- Component A be be thoroughly stirred using a mixing device.
- Add component B to component A and continue mixing (approx. 2-3 minutes) until a homogeneous mixture is achieved.
- Stir up from the bottom and sides thoroughly to assure that the hardener is equally spread.
- Re-pot the mixture and stir again.
- A homogeneous lump-free mixture has to result.

Application

Used as Prime-coat

- Spread the homogeneous mixture.
- Use a rubber wiper for spreading the mix.
- Roll the surface using a lambskin roller.
- Consumption approx. 0,20 kg/m²
- Sprinkle the surface with quartzsand 0,1 - 0,3 mm.
- After drying excessive quartzsand to be swept off or removed by vacuum cleaner.

Used as Mortar deck covering

- 1 unit TEFRO®floor EP (6,1 kg) to be mixed as described above.
- Add 2 bags at 25 kg of fire-dried quartzsand.
- Mix again.
- The mortar is prepared in mixing ratio 1 : 8 parts by weigh EP : quartzsand.
- A homogeneous mixture has to result.

- Pour the mortar on the sprinkled prime-coat resp TEFROKA CF Primer coat.
- Spread and apply using f.e. a levelling trowel.
- Smooth and compress using a smoothing trowel
- Consumption: approx. 2,0 kg/m²/mm.

Preparation for wall application

- Mix approx. 1,0 kg TEFRO®floor EP as described above.
- Add approx. 50 g thickening agent "Sylothix 51" and mix anew.
- A steady compound should result.
- Apply in a thick coat using a brush (approx. 1 mm)

Preparation of a coved skirting

- Add thickening agent "Sylothix 51" to the mixed TEFRO®floor EP Material (6,1 kg).
- The mortar is prepared in mixing ratio 1 : 7 parts by weight (EP : Quartsand)
- Mix again all materials.
- Apply the mortar in the still fresh prime-coat.
- Form a coved skirting using a round trowel and compress.

Remarks on application

- The applied mortar surface cannot be grinded.
- Observe to have an even surface when installing the material.
- Daily working steps will be visible.
- Drying time approx. 12 - 15 hours at + 20 °C.
- Application time approx. 45 minutes.
- High temperatures shorten, low temperatures extend working time.
- For intended changes in application please contact us.

Equipment and Cleaning

- Suitable stirrer, levelling trowel, smoothing trowel, brush
- Clean tools right after use with EP-/PU-Thinner.

7. Product Range

All cement based TEFROTEX® products, TEFROTEX® SF Primer, TEFROKA® CF Primer.

8. Shelf Life

12 months, in a cool, dry, frost-free place in unopened containers at 5 – 30 °C. In case of discrepancies please contact us!

9. Color

- colourless

10. 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.

11. Conformity

The product meets the criteria of IMO FTP-Code 2010, attachment 1, Part 2 und 5. MED Certification and type approvals of other classification societies are available. The conformity is in accordance with the effective regulations 2014/90/EU of 23-July-2014. For the wheel symbol the general principles of article 30, paragraph 1, 3 and 6 of the regulation (EG) no. 765/2008 apply.

12. Safety

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

13. General Note

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.