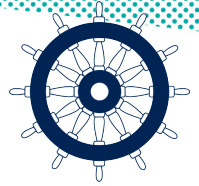


# Product Data Sheet



## TEFROTEX® 700

Extremely light - weight, self levelling primary deck covering used as subfloor or levelling compound for carpet in cabin areas and other areas with low stress. For other areas and floor coverings only upon request.

### 1. Field of Application

TEFROTEX® 700 is a cement based system for installation of primary deck coverings on inside ship decks. The product fulfills the requirements according to IMO FTP Code 2010 for primary deck covering. TEFROTEX® 700 is supplied as premixed powder in bags and is mixed with water on the job, application by hand.

### 2. Properties

- One component
- Fast curing
- Single layer
- Easy application
- Very low weight
- Jointless
- Not self-levelling
- Excellent adhesion
- Not pumpable

### 3. Technical Data

Dry Mortar	bag	14	kg
Water demand	per bag	5,9	l
Application temperature		5-30	°C
Application thickness		1,0 - 30 mm	mm
Working time (+20°C)		> 30	minutes
Compressive strength	EN 13813	> 10	N/mm <sup>2</sup>
Flexural strength	EN 13813	> 4	N/mm <sup>2</sup>
Density cured mortar	EN 1015-10	approx 0,7	kg/dm <sup>3</sup>
Fire rating	IMO FTP Code 2010	Part 5	



### 4. Packing

14,0 kg - bag (one component)

### 5. Substructure

#### Requirements

- The substructure has to be dry, clean and free from grease and oil.
- Temperature of substructure should be higher than + 5°C.
- Condition of substructure always needs to be checked before application of TEFROTEX® 700.

#### Substructures

##### a) Steel-decks

- Steel-decks have to be prepared by the shipyard and treated with a suitable shop primer.
- If this is not the case, please contact us.
- The substructure needs to be pre-treated with one of our bonding agents TEFRO®bond W1 or TEFROTEX® SF Bonding Coat before application of TEFROTEX® 700.

b) Aluminum decks and galvanized steel-decks

- These surfaces need to be clean, grinded and treated with TEFROTEX® SF Primer or other suitable primer systems and one of our bonding agents TEFRO®bond W1 or TEFROTEX® SF Bonding Coat.

c) Cement-based substructures

- The Cement-based substructures needs to be pre-treated with TEFROTEX® SF Subcoat.

d) Other substrates

- Please contact us.

## 6. Application Information

### Mixing

- Pour 5,9 liters of water into a compulsory mixer or mixing pail.
- Add one bag of TEFROTEX® 700 premixed powder.
- Stir up both components thoroughly.
- Mix until a homogenous and lump-free mixture is reached.

### Application

- Pour out the homogenous, lump-free mixture.
- For application use e.g. a levelling trowel.
- High temperatures shorten and low temperatures prolong the working time.
- After application protect at least 24 hours from direct sunlight, heat and draft.
- TEFROTEX® 700 will be ready for foot traffic after approx. 5 hours, fully cured after approx. 7 days at an average temperature of +20°C.
- Generally ready to be covered for diffusion-tight floorings after approx. 7 days, at 5 mm application thickness, at 20 °C and 65 % relative humidity.
- Following flooring should be applied only after TEFROTEX® 700 has dried out completely.
- Residual moisture to be observed.
- Please contact us for any other approach of application.

### Efficiency

- One bag premixed powder 14,0 kg + 5,9 liters of water result in 25 liters.
- 25 liters cover approx. 2,5 m² at 10 mm thickness.
- Consumption premixed powder 0,60 kg/m²/mm.

### Equipment and Cleaning

- Mixing tool, levelling trowel, smoothing trowel
- Rinse out tools with water right after use.

## 7. System Products

TEFROTEX® SF Primer, TEFROTEX® SF Bonding Coat, TEFRO®bond W1, TEFROTEX® SF Subcoat

## 8. Shelf Life

6 months, in a cool, dry, frost-free place in closed original bags at 10 - 30 °C. In case of discrepancies please contact us.

## 9. Color

- Grey

The color may vary between the batches, due to raw materials and reasons in the production process.

## 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 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 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

This mineral product is cement based and poor in chromate. Read the hazard notes and safety advices as stated in the safety data sheets.

## 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 application. Without approval of altered use of material, usage is at the buyers or users risk. This refers especially to combinations with other products. Only product data sheets of latest date are valid.

