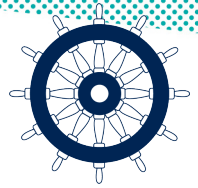


Application instruction

TEFROLITH® FTG-35 (engl)

Standard application instruction for A-60 combined mortar system on inside decks



Preliminary remarks

This application instruction supplies information for the user and does not claim to be complete. The actual object conditions need to be determined and considered during application. The instructions given in this document do not justify any liability claims against the author or manufacturer of the mentioned products. For handling and use of the materials the latest safety data sheets have to be observed.

Field of application / limitations

Insulating cement screed ship floor for A60 divisions with special requirements on fire protection and sound insulation. To be covered with a cement-based weight/pressure distribution layer (f. e. TEFROTEX® 60). Suitable for wet areas but not for outside decks.

System overview

TEFROLITH® FTG-35 primecoat powder (18 kg/bag)
TEFROTEX® 60 Emulsion (5,8 kg/container)
TEFROLITH® FTG-35 maincoat powder (16 kg/bag)
TEFROLITH® FTG-35 additive emulsion (5,0 kg/container)

TEFRO®bond W1 (10 kg/unit)
TEFRO®prime EP 30 (7 kg/unit)

Storage

TEFROLITH® FTG-35 primecoat powder and TEFROLITH® FTG-35 maincoat powder are based on a cementitious binding system and have to be protected from humidity (rain, condensation, high humidity). Pallets should be stored shrunken in foil as supplied. Opened pallets and bags to be used quickly.

TEFROLITH® FTG-35 primecoat powder and TEFROLITH® FTG-35 maincoat powder can be stored for approx. 12 months in a dry and frost-free place.

TEFROLITH® FTG-35 additive emulsion can be stored for 12 months when stored properly and frost-free .

TEFROTEX® 60 Emulsion: 12 months when stored in a cool, dry and frost-free place in unopened original containers at 5 - 30 °C.

In case of discrepancies please contact us.

Surface Preparation

Steel-decks

Steel-decks have to be free from rust and treated with a shopprimer. The surface has to be free from oil, grease, solvents, dust and other adhesion reducing substances. Apply TEFRO®bond W1. Interval time max. 24 hours. The bonding agent has to be completely dried before application of TEFROLITH® FTG-35.

Steel-decks treated with TEFRO®prime EP 30

Before subsequent application of TEFRO®bond W1 decks treated with TEFRO®prime EP 30 have to be completely dried. TEFRO®bond W1 is used as bonding agent.

Aluminium and galvanized steel-decks

Both types have to be grinded and clean, free from all adhesion reducing substances such as oil, fat etc. The surfaces have to be treated with TEFRO®prime EP 30 as well as bonding agent TEFRO®bond W1.

Application

Mixing of the slurry coat:

TEFROLITH® FTG-35 primecoat powder and TEFROTEX® 60 Emulsion to be mixed until a creamy compound is reached. The quantity mixed should correspond to the area to be covered.

Application of the slurry coat:

The slurry coat is applied on top of the transparently dried bonding agent TEFRO®bond W1 in approx. 2 mm thickness using a broom.

Preparation of the mixing water:

One container TEFROLITH® FTG-35 additive emulsion is poured into approx. 200 l water filled into a clean vat and thoroughly mixed.

Preparation of TEFROLITH® FTG-35 maincoat:

Fill one bag TEFROLITH® FTG-35 maincoat powder into a compulsory mixer and add approx. 7 l mixing water. Mix until a homogeneous plastic consistency is reached.

Due to production-related fluctuations of the light-weight fillers a careful further addition of mixing water may be necessary. Over-watering (flowable consistency) to be avoided!

Application of TEFROLITH® FTG-35 maincoat

The maincoat is applied immediately into the still wet slurry coat (fresh in fresh). The application is done in the conventional way using a leveling bar. The surface is rubbed with a float and smoothed with a smoothing trowel. Ensure minimum thickness of 35 mm.

Attention: After a drying and curing period of minimum 3 - 5 days (+ 20 °C) a cement-based weight distribution layer (optional TEFROTEX® 60 or TEFROTEX® 60-L) is applied.

Surface preparation for the weight distribution layer:

The walkable TEFROLITH® FTG-35 surface has to be free from oil, dust and other adhesion reducing substances. Then TEFRO®bond W1 bonding agent is applied. Interval time is max. 24 hours.

Application of the weight distribution layer:

see relevant application instructions TEFROTEX® 60 / TEFROTEX® 60-L.

Consumption / Coverage

Slurry coat: 18 kg TEFROLITH FTG-35 primecoat powder + ca. 8.5 l TEFROTEX® 60 Emulsion = approx. 6 m².

Maincoat: approx. 0,6 m² per mixture, 35 mm thick

Ready for foot traffic/ready to be covered

Ready for foot traffic / ready for coverage:

Ready for foot traffic: after curing overnight (at 20 °C)

Ready for coverage: CM measurement necessary! Ready to be covered with vapor-tight floor coverings at a humidity content (CM) of 6 mass%. This value will be reached earliest after 28 days at + 20 °, 65 % rel. humidity

Safety

Read safety data sheets. The operating instructions ZP 1 of BG Bau apply.

Behaviour rules

Avoid dust generation! Avoid splashing of the ready mixed product! Avoid eye and skin contact! Wash hands thoroughly at the end of work and before breaks. Use protective cream. Change heavily contaminated clothing! at the end of work change clothing! Before starting work and after each break apply fatty cream.



Protective measures

Eye protection: goggles

Hand protection: nitrile impregnated cotton gloves

Respiratory protection: When working at higher dust exposure use particle filter P2.

Skin protection: Use fatty protective cream for all uncovered skin.

First aid

Observe for each first aid measure: Pay attention to self-protection and call a doctor immediately.

After eye contact: 10 minutes after running water with eye lid opened or use eye wash solution. Always consult eye specialist.

After skin contact: Remove heavily contaminated clothing. Wash with plenty of water and soap.

After inhalation: Remove persons from the dusty area.