

Europox TF

Packaging:

2 components in 10, 20, 30 kg sets

Component A: 19,98 kg

Component B: 10,02 kg

Total Set: 30 kg

Component A: 12,32 kg

Component B: 6,68 kg

Total Set: 20 kg

Component A: 6,66 kg

Component B: 3,34 kg

Total Set: 10 kg

Properties:

- Approx. 100% solid, solvent-free
- Low viscosity
- High adhesive strength
- Easily processable
- Very good pore filling capacity
- Density 1,00 g/cm³ (Primer)
- Density 1,00 g/cm³ (Scratchcoat)
- Electrical conduction > 100 GΩ
- Viscosity 500-700 mPa.s (Primer)
- Viscosity 3500-4000 mPa.s (Scratchcoat)
- Adhesive strength > 1,5 N/mm²
(concrete fracture)
- Shore hardness > D80

Description:

Europox TF is a solvent-free two-component epoxy, which is characterized by an approximately 100% solid content and a very good adhesion to normal to strongly porous surfaces.

It is the preferred primer for cementitious screeds.

The Europox TF is possibly filled with Microdol A100 also suitable for use as a scratchcoat.

Europox TF is a 3 in 1 resin which can be used for Compact epoxy system. In combination with calcium based Plex filler the appropriate layer thickness can be achieved.

Mixing:

Mixing ratio: Component A: Component B = 67 : 33

Add part B to part A and mix continuously for two minutes until a uniform mixture has been achieved. To ensure thorough mixing pour the materials into a clean second container and mix again for one minute to achieve an even consistency.

When used as a scratch coat the mixing ratio is 1 part resin to 1 part calcium carbonate.

Mixing is preferably done with a power mixer on low speed, 300 to 400 RPM, with a WK90 mixer paddle.

Consumption:

Floor system	Product	Consumption
Primer	Europox TF	~ 0,125 – 0,25 kg/m ²
Scratchcoat	Europox TF + A100 Filler	~ 0,500 – 1,00 kg/m ²

Substrate:

The substrate must be clean and dry and free of dirt, oil, grease and any other impurities or contaminants.

The substrate must be sound and sufficiently compression resistant (at least 25 N/mm²), with a minimum adhesive strength of 1.5 N/mm².

Weak concrete and loose cementitious levelling must be removed, and surface damage such as blowholes and voids must be repaired with a mixture between Sylothix and Europox TF and then primed again. **DO NOT USE POLYESTER PUTTY** as no adhesion will be obtained.

The concrete or screed substrate must be primed.

Uneven substrates must be levelled in order to achieve an even substrate.

Before applying the product, all dust and loose parts must be fully removed, preferably using a brush and/or industrial vacuum cleaner.

Concrete substrates must be mechanically prepared using abrasive blast cleaning or scarifying equipment to remove cement laitance and achieve an open textured surface..

Application conditions:

Surface temperature:	Minimum -5°C, maximum +35 °C
Ambient temperature:	Minimum -5°C, maximum +35 °C
Surface moisture content: To be tested with a carbide measurement.	< 4 % moisture
Relative air humidity:	Maximum 80% R.H.
Dew point:	Beware of condensation!

The temperature of the substrate and non-hardened material must be at least 3°C higher than the dew point to reduce the risk of condensation, efflorescence or stickiness (carbamate formation) on the floor finish.

Remark: Low temperatures and high air humidity increase the risk of efflorescence or carbamate formation.

Application:

Potlife @ 20°C	25 minutes
Touch-dry @ 20°C	3 hours
Foot Traffic @ 20°C	12 hours
Fully hardened @ 20°C	4 days

Additional information:

Shelf life / storage up to 12 months after the production date in the original, sealed, unopened and undamaged packaging, stored dry between + 5 °C and 30°C.

Discoloration and color deviation can occur, this will not affect the functionality or performance.

Remarks :

- Please check if you have the right A + B component
- Mixing is very important. Please mix at least 2 minutes otherwise no chemical reaction will take place.
- When applying the material please wear protective clothing and gloves.

The most important thing about priming is the filling of all the (micro) pores to avoid air bubbles and pinholes in the wearing course. Do not apply too much primer, if you apply the primer too heavy you can

trap air inside that the next day will result in a primer floor with air bubbles and holes.

Uneven or dirt covered substrates should not be treated with thin coatings. Both substrate and adjacent areas should always be thoroughly prepared and cleaned prior to application.

Protection from rain and water is necessary during processing and hardening.

Wrong assessment and treatment of cracks can result in a reduction of lifespan and recurring cracking.

Mixed materials must be processed immediately as flow and defoaming will be reduced when pot life date expires.

If heating is required do not use gas, oil paraffin or other fossil fuel burners. These produce large quantities of CO₂ and water vapour, which can adversely affect the finish. For heating, only use electrically powered hot air ventilation systems.

**When applying the material, ensure the correct personal protective equipment is worn.
Protection against rain and water is necessary during the processing and curing stages.**

Ensure

adequate ventilation during application..

Incorrect assessment and treatment of cracks can result in recurring crack formation.

Mixed materials should be processed immediately.

Health and Safety Information:

For information and advice on the safe handling, storage and disposal of chemical products, the user should refer to the latest safety data sheet containing physical, environmental, toxicological and other safety-related data.

Legal Notices:

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