

EUROPOX TF

DESCRIPTION:

Europox TF is a solvent free two part epoxy resin.

Europox TF has great adhesive qualities for normal to strong absorbent porous substrates and is the recommended primer for porous cementitious substrates such as normal concrete and cement screeds.

Europox TF can also be used as a scratch coat if a calcium carbonate such as Microdol A 100 is added at a mixing ratio of 1:1.

Even the use as a binder for a trowel floor, compact system or stone carpet is possible.

CONSUMPTION:

Consumption depends on the absorbency and flatness of the substrate.

Product	Consumption
Europox TF (1st layer)	0,2 – 0,4 kg/m ²

SUBSTRATE PREPARATION:

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 Epoxygel 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. Use Cementitious SL Underlayment or Cementitious SL Constructive. Please see corresponding Technical Data Sheet for more information.

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:

Substrate temperature: Minimum 10°C, maximum +35 °C

Ambient temperature: Minimum 10°C, maximum +35 °C

Relative air humidity: Maximum 80% R.H.

Moisture content substrate: < 4% moisture
(Test using a carbide measurement).

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.

PROPERTIES:

Approx. 100% solid, solvent-free

Low viscosity

High adhesive strength

Easily processable

Alkylphenol-free hardener

Very good pore filling capacity

TECHNICAL PARAMETERS:

Viscosity¹ [mPa·s] 500-750

Primer

Viscosity¹ [mPa·s] 3500 - 4000

Scratchcoat

Density² [g/cm³] Primer 1,00

Density² [g/cm³] 1,50

Scratchcoat

Shore Hardness³ > D80

Electrical conductivity >100 Gσ

Mixing ratio 100 A – 50 B

Adhesive strength⁴ > 1,5

[N/mm²] (concrete failure)

1 Brookfield, LV3, 30 RPM, 23°C

2 ISO 2811-1, + 23°C/50% R.H

3 DIN 53505, 14 days / +23°C / 50% R.H

4 EN 4624, 14 days / + 23 °C / 50% R.H

PACKAGING:

Component A+B: 10, 20, 30 kg

Component A:

6,67 kg, 13,33 kg, 20 kg

Component B:

3,33 kg, 6,67 kg, 10 kg

APPLICATIONS:

- Primer
- Scratchcoats
- Binder for decorative gravel/mortar
- Compact system

FORM:

Component A: Liquid, clear

Component B: Liquid, transparent, clear to slightly yellow

SHELF LIFE:

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

REMARKS:

The most important issue of priming and scratching is the filling of all the (micro) pores to avoid air bubbles and pinholes in the wearing coarse.

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.

LEGAL NOTICE:

This information, and in particular the recommendations related to the application and end use of Eurostep products, is provided in good faith based on our current knowledge and experience of the products. It is valid for products that are correctly stored, treated and applied under normal conditions in accordance with Eurostep's recommendations.

In practice, differences in materials, substrates and actual on-site conditions are such that no warranty in respect of merchantability or of suitability for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered.

The user of the products must test the product's suitability for the intended application and purpose. Eurostep reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the technical data sheet for the product concerned, copies of which will be supplied on request.

CURING TIME:

Pot-life at 20°C	25 min
Touch-dry at 20°C	12 hours
Foot traffic at 20°C	2 days
Fully hardened at 20°C	7 days

Check the moisture content of the substrate, the R.H. and dew point before applying the product.

Primer and Scratch Coat application:

Apply the material evenly on the substrate, using a trowel or squeegee.

Europox TF must be overlaid within 48 hours.

HEALTH AND SAFETY:

For information and advice on the safe handling, storage and disposal of chemical products, the user should consult the most recent product safety data sheet consult, regarding the physical, ecological, toxicological and other safety-related data.

VALUE BASE:

All technical data stated in this technical data sheet is based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

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