

Europox OS

DESCRIPTION:

Europox OS is a 2-component, solvent-free epoxy primer that can be used as a moisture barrier on clean, waterproof, stone-like substrates. Eurostep Europox OS is applied at a residual moisture content of 3 to 7%. Not suitable for floors with rising damp. The coating is applied in two layers in order to guarantee a good seal.

CONSUMPTION:

Consumption depends on the absorbency and flatness of the substrate.

Product	Consumption
Europox OS (1st layer)	0,25 kg/m ²
Europox OS (2nd layer)	0,15 kg/m ²

APPLICATION:

Processing time at 20°C
25 minutes
Can be walked on at 20°C
24 hours
Light load at 20°C
48 hours
Fully cured at 20°C
7 days

Before application, check the moisture content of the substrate, R.H. and dew point. Europox OS should be applied in two layers, because with two layers you can seal the substrate better. For a moisture barrier it is important that every pore is properly closed, which can never be guaranteed with a single-coat system.

SUBSTRATE PREPARATION:

Concrete substrates must be mechanically pre-treated by dustless blasting or notching to remove the cement skin and obtain a roughened, bonded and clean surface. Before applying the product, all dust and loose particles must be completely removed from all surfaces, preferably by means of an industrial vacuum cleaner. Underfloor heating should ALWAYS be switched off and completely cooled down. The substrate must be sound, crack-free, stable and sufficiently load-bearing and pressureresistant (at least 25 N/mm²), with a minimum adhesive strength of 1.5 N/mm². Furthermore, it must be clean and dry and free of dirt, oil, grease and other contaminations. Weak concrete and loose cement-based levelling compounds should be removed. Subfloors can be wet during application, but no water should be visible on the surface. However, there must be no pressure moisture

PROPERTIES:

Anhydrous
Solvent-Free
Easy to apply
Very good penetration properties
Suitable for underfloor heating
Viscosity 1 (mPa.s) Approx. 1000
Solids content (%) Approx. 100
Density 2 (g/cm³) Approx. 1,04
Bonding strength⁵ (N/mm²) > 1.5

1 = Brookfield, LV3, 30 RPM, @ 23°C
2 = ISO 2811-1, + 23°C/50% R.H
5 = EN 4624, 14 dagen / + 23 °C / 50% R.H

PACKAGING:

Component A: 9,4 kg resin with quartz
Component B: 5,6 kg hardener
Set: 10 kg

FORM:

Component A: liquid, clear
Component B: Liquid, clear yellowish

APPLICATIONS:

- Clean waterproof stone-like substrates
- Damp concrete
- Relatively fresh concrete

Application conditions:

Substrate temperature: Minimum 15°C, maximum 25°C

Room temperature: Minimum 15°C, maximum 25°C

Moisture content of substrate: < 6% moisture

To be tested via carbide measurement.

Relative humidity 40 to 70%

Dew point: Beware of condensation!

The temperature of the substrate and uncured material should be at least 3°C above the dew point to reduce the risk of condensation, white discoloration or stickiness (carbamation) on the floor finish.

REMARKS:

Do not use Europox OS on surfaces with rising damp.

Freshly applied Europox OS must be protected from moisture, condensation and water for at least 24 hours.

Process mixed material immediately, because flow and de-aeration are reduced when the processing time is reached.

Incorrect assessment and treatment of cracks can lead to a reduction in service life and recurrent cracking.

If heating is required, do not use gas, oil, paraffin or other fossil fuel burners, as these produce large amounts of both CO₂ and H₂O water vapour, which can adversely affect the finish. For heating use only electrically powered warm air fan 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.

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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