

Europox Z Speed

Packaging:

2 components in 10, 20, 30 kg sets

Component A: 21,42 kg

Component B: 8,58 kg

Total Set: 30 kg

Component A: 14,28 kg

Component B: 5,72 kg

Total Set: 20 kg

Component A: 7,17 kg

Component B: 2,86 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
- Electrical conduction > 100 GΩ
- Viscosity 1000-1400 mPa.s
- Adhesive strength > 1,5 N/mm²
(concrete fracture)
- Shore hardness > D80

Description:

Europox Z Speed is a solvent free two part fast curing epoxy primer. Europox Z Speed 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.

Depending on the conditions a following layer can be applied already between 1,5 and 4 hours. Ideal is Primer and scratchcoat can be applied in one day.

Mixing:

Mixing ratio: Component A: Component B = 71,4 : 28,6

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.

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 Z Speed	~ 0,125 – 0,25 g/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 Z. **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 10 °C, maximum +35°C

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

Substrate moisture content: < 4 % damp
To be tested with a carbide meter.

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	5 minutes
Touch-dry @ 20°C	1,5 hours
Foot Traffic @ 20°C	4 hours

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

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

Be Aware of the very short potlife. Europox Z Speed must be overlaid within 48 hours.

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 primed 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 vapor, which can adversely affect the finish. For heating, only use electrically powered hot air ventilation systems.