



## Silox®Tiefgrund 837

Epoxy resin to enhance adhesion and stabilisation of mineral surfaces

**Silox®Tiefgrund 837 is a low viscosity epoxy resin used as primer and enhancement of concrete and mineral structures.**

The material is a typical, liquid reaction synthetic and easy to process. Hardened films are stick free. Silox®Tiefgrund 837 contains solvents and penetrates extremely well.

### Application

Used as typical penetrating primer Silox®Tiefgrund 837 could be also used as primer and bonding bridge. Due to the excellent penetration the structure of the building material will be strengthened and stabilised, this guarantees a better adhesion of the subsequent coating. Silox®Tiefgrund 837 is not suitable for damp substrates.

Application on concrete and screed etc.

-Improves poor concrete surfaces

- **Adhesion bridge**
- **Primer**
- **Penetrating Primer**
- **Adhesion area enhancement**

### Processing

For processing, the master resin and hardener components are mixed together in a predetermined ratio, as is generally the case with 2-component systems, mixed thoroughly (stirring machine!), repotted for safety reasons and stirred again. The resin mixture can then be processed immediately - without waiting or maturing times. Do not dilute the components or the mixture or mix it with other resins!

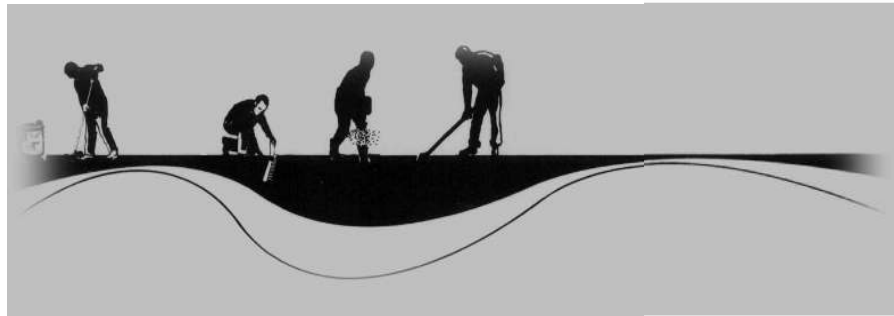
- easy processing through low viscosity

All surfaces must be dry, clean and sufficient stable and free of separating substances. For sufficient wetting of the substrate, the resin should be applied thickly with a brush. If the substrate is very absorbent, work wet on wet and repeat the process several times.

The flash-off and drying time at room temperature is 12 - 24 h.

When processing, please observe the special processing instructions for this product in the processing manual, and the known technical rules for the processing and application of liquid synthetic materials in construction. They also apply to this product.

<b>Properties</b>	<b>Description</b>	<b>Silox®Tiefgrund 837</b>
	Component A	Epoxy-liquid resin
	Component B	Polyamines
	Ratio A : B	100 : 50 parts (by weight)
	Mix viscosity	Approx. 180-200 mPa.s (20°C)
	Density (Mixture)	Approx. 1,1 g/ml
	Processing time	Approx. 40 Min, 20°C (gel time)
	Stick free film	After approx. 12 - 24 h at 20°C



**Storage Safety Disposal** The resin and hardener component of Silox®Tiefgrund 837 are flammable and combustible. Keep away from fire and radiating heat. They must be protected from fire or radiant heat. The products should be stored in a cool and dry place and in such a way that they are not accessible to children and unauthorised third parties.

When handling the components, contact with skin, mucous membranes and eyes must be avoided and adequate ventilation must be provided. Suitable protective clothing and goggles are recommended during processing. Current safety data sheets are available for both product components. They contain all relevant information for safe handling of the products and should be made available to all those who handle the products.

Reacted Silox®Tiefgrund 837 is chemical inert and should be treated like normal construction waste, the liquid product residues are hazardous waste. They can be reacted and thus rendered harmless most easily by mixing them with the second component. Empty containers with liquid adhesions are hazardous waste and must be disposed of according to local regulations for such waste.

### **Recommended Accessories :**

#### **HydroSolv®520**

A highly efficient, harmless and inert cleaning and solving material for equipment and pumps. This product is environmental friendly security solvent with a high flash point. Harmless, non toxic , no labelling required and without any restrictions regarding transport.

These technical information describe the present-day state of knowledge these product. They should only inform about the possibilities of application and could not release the applicator of his commitment to check the possibility to use the product for the required application. Information for processing can be found in processing instructions of our product. Information about safe handling can be found in our current safety data sheet.

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passion to invent 