



Silox®EPW 857

Coloured Epoxy coating for wet undergrounds

Silox®EPW 857 is a water-emulsified, color pigmented two-component system based on a special epoxy resin and hardener compound. The product is recommended as an abrasion resistant and good chemical resistant, decorative protective coating for all mineral surfaces and also for mastic asphalt.

All Silox®EPW products are dilutable with water. The resin has an excellent adhesion even on wet undergrounds. Hardened impregnations or sealings made of Silox®EPW 857 are not vapour-tight, therefore the drying-out of treated concrete surfaces is possible without any interference. Adhesion problems, bubble creation or similar effects created through water influence in the bounding surface could not arise.

Silox®EPW 857 is suitable as coloured protection coating of concrete surfaces in industrie or waste water plants as well as garages and cellar floors. The material could be also used as a hard-wearing protective paint for walls which need regular decontamination or cleaning with high pressure or steam cleaner e.g. tunnels or food industry.



Silox®EPW 857 consists of 2 components. The mixing ratio is 29,94 : 5,74. It is possible to adjust the proper paint and spray viscosity with clean water.

If sprayed the neighbouring building parts need to be protected from spray fog. Once dried the quality of the film is so good that such stain spots are not removable.

Important: The processing time of the mixture is limited once both components are mixed together. Higher temperatures speed up the hardening process as normal for 2 component systems. **The end of the processing time is not indicated.** **The end of the processing time is not indicated through the rising viscosity of the mixture.** It is fundamental to keep the processing time. We recommend to mix small amounts to guarantee the proper work in the processing time.

The underground need to be clean, free of dust, and separating substances as well as sufficient stable. It is possible to increase the stability through priming with a non pigmented resin with a high penetrating power. Please note the rules for paint and coating work (in Germany e.g. DIN 18363) and the ARCAN Information Processing of Silox®EPW products.

The consumption depends on the roughness and the absorptive capacity of the concrete. Machine smoothed concrete floors and smooth sheeted concrete requires app. 150 - 300 gr/m² per layer.

**Painting,
spraying or rolling up**

**Silox®EPW 857 is
possible to apply in
all techniques**



Safety Storage Disposal

The A component of Silox®EPW 857 is a water emulgated Amidoamin. This component does not contain any volatile solvents or monomers, the material is non flammable because of the contained water. In case of intended use the material is harmless.

The B component contains an EP liquid resin and is labelled as dangerous substance.

It is important to keep the usual hygienic rules for the use of Epoxy resins. If sprayed it is important to use breathing and eye protection. Spray fog should be not inhaled and the use of breathing protection is obligatory.

Machines and tools will be cleaned with water and dishwashing agent. It is practicable to use hot water. In order to avoid the stick together of valves and delivery plungers we recommend the use of HydroSolv®520 a special security solvent and afterwards the use of HydroMoll®522 which is a conservation and care material which stays inside the machine while stored.

Stains with hardened material are difficult to remove, we recommend the protection of neighbouring concrete parts with covering or Trennfix®480 or to clean immediately before hardening.

The A component is sensible to frost and after freezing the material is useless. Avoid storage temperatures below 0°C. Keep the material away from children and unauthorized people.

**Properties
Product-
information
colours**

Empty cans with liquid rests are special waste and requires a disposal after local regulations. The hardened product is harmless and could be disposed as building rubble.

Material	: 2C-System amade of EP liquid resin and : emulgated Polyaminoamid as hardener
Colour, characteristics	: Pigmented
Odour	: Weak, typical Amin
Density	: ~ 1,30 gr/ml
Solid content	: ~ 75%
Thinner	: Water
Shelf life	: Minimum 12 month, protected from frost
Application technology	
Consumption	: Depends on the object
Surface	: Silky lustre
Processing temperature	: Not below +8°C
Processing time ("Potlife")	: 120 minutes by 20°C
Mixing ratio A : B	: 29,94 : 5,74 kg (after weight)
Mixing time A + B	: 2 minutes (with maschine)
Dillution	: If necessary max. 1:1 with clean water



Silox®EPW 857 is available in the following colours. Special or additional colours are possible.

- 857.00 White**
- 857.01 Stone grey - light**
- 857.02 Stone grey - dark (concrete grey)**
- 857.03 Reseda green**
- 857.04 Sand beige**

Films made of Silox®EPW 857 are not absolutely uv resistant, this means light colours tends to yellow in case of insolation.

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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