

Silox®EPW 856

Transparent Epoxy impregnation for damp undergrounds

Silox®EPW 856 impregnation is a 2 component Epoxy system based on a water emulgated epoxy resin and hardener compound system. Concrete surfaces could be improved by impregnation with Silox®EPW 856. Silox®EPW 856 is used as primer and bonding course under coloured EP coatings such as Silox®EPW 857.

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 856 are damp open, 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.

Processing

Silox®EPW 856 consists of 2 components. The mixing ratio is 2 : 1. 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.

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 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. 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. 100 - 200 gr/m² per layer.

Safety Storage Disposal

The A component of Silox®EPW 856 is a water emulgated Polyamidamin. The component contains no 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 compulsory.

Machines and tools will be cleaned with water and dish washing agent. It is practicable to use hot water. In order to avoid the stick together of velvets 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 unauthorised people.

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.

Product properties

Material	: 2C-System a made of EP liquid resin and emulgated Polyaminoamid as hardener
Colour, characteristics	: Yellow brown transparent
Odour	: Weak, typical Amin
Density	: ~ 1,05 gr/ml
Thinner	: Water
Shelf life	: min. 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	: 2 : 1 (by weight)
Mixing time A + B	: 2 minutes (with machine)
Dilution	: If necessary maximum 1:1 with clean water

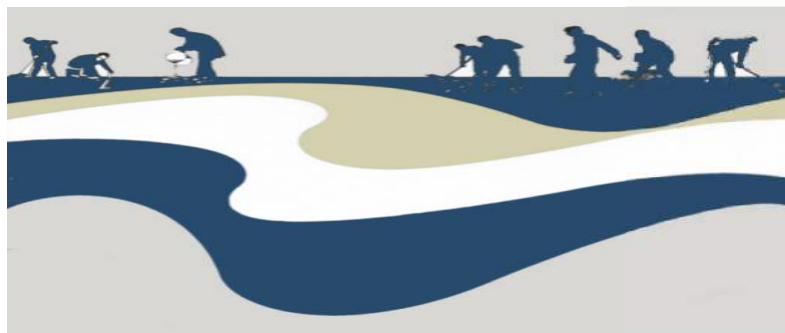
Recommended Accessories

HydroSolv®520

A highly efficient cleaning material for PUR and Epoxy machines. HydroSolv®520 is environmental neutral in combination with a high flash point. The material is non toxic, harmless and it is not transport restrictions or necessity to label it as dangerous good.

HydroMoll®522

Efficient and cheap care and conservation material for PUR and Epoxy machines also suitable for the hoses. HydroMoll®522 is a combination of solving additives and special softener.



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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