



## DuroFlex® Primer 900-P4

Special primer for liquid Silox membranes -  
biogas plants

**DuroFlex® Primer 900-P4 is a bonding agent for Silox® 901-MX liquid membranes to be applied in areas with high strain such as biogas plants. Surfaces treated with DuroFlex Primer P-4 are more stable and enhanced**

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.

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.

As with all coatings, the correct substrate preparation is crucial. Old roofing foils must be thoroughly cleaned.

Basically, the general rules are to be observed:

The substrate must be load-bearing, clean and free from all separating substances. In the case of concrete blowholes, air voids in the surface, cracks over 0.1 mm wide, breakouts, etc. must be eliminated. Silox 860 D is particularly suitable for this work.

DuroFlex®Primer 900-P3 must not be used at temperatures below 7° C or in rain.

Intermediate coats must be thoroughly dried before the top coat is applied, so that tensions do not cause drying cracks in the surface of the coating.

### Properties **Product data**

Material and	: 2C-System a made of EP liquid resin 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 max. 1:1 with clean water
Consumption *	: 0,1 - 0,5 kg /m <sup>2</sup>

---

\* - Theoretical consumption, on smooth, slightly absorbent surfaces, without spray losses

### Storage Handling 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.

## Recommended auxiliaries and additives :

### **UP®-Steinspachtel 1013**

Filler, adhesive and repair compound with fast curing.

### **Silox®860 D**

High-quality and stable repair and filling compound, made of water-emulsified 2-component epoxy resin and hydraulically setting fillers. With excellent adhesion, even on damp concrete. Recommended for reprofiling and restoration of damaged concrete surfaces.

### **Cembond®M-947 Flex**

Highly flexible, mineral surface sealing. Can be used as a slurry coat or thin-layer filler, for substrate preparation in masonry walls.

### **DuroFlex®900 M**

Flexible liquid membrane, for damp rooms, bathrooms, sealing of balconies and terraces. (under tiles or a covering)

### **Silox®901-MX**

Flexible liquid membrane, for higher strains such as biogas plants

### **Silox®903-DF**

Flexible liquid membrane, for roof waterproofing, even on old roofing films in combination with DuroFlex Primer-P3.

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.

ATI-DuroFlex®Primer 900-P4 |04|2021  
© ARCAN GmbH  
All rights reserved

## **ARCAN Waterproof**

ARCAN GmbH Spezialbaustoffe

Kleinniedesheimer Strasse 19  
D-67240 Bobenheim-Roxheim  
Phone: +49 (0)6239 - 99 78 20  
Mail: [office@arcan.biz](mailto:office@arcan.biz)  
Web: [www.arcan.biz](http://www.arcan.biz)

passion to invent 