

HYDROPOX EP1 LV

Properties:

HYDROPOX EP1 LV is an elastic two component resin based on epoxy with special chemical and physical properties.

Due to its very low viscosity (compared to conventional EP resins) *HYDROPOX EP1 LV* is used as a pore- and crack-filling, consolidating injection resin in concrete restoration, even for very fine cracks ("hairline cracks") in the injection method or by impregnation.

Because of the special material base *HYDROPOX EP1 LV* can also be used on moist concrete surfaces.

Technical Data:

Substance data of components:

Component A

Consistency	liquid	
Colour	light yellow	
Odour	characteristic	
Spec. density (23°C)	approx. 1.04 g/cm ³	DIN EN ISO 2811-1
Dyn. viscosity (23°C)	approx. 50 mPas	DIN EN ISO 2555

Component B

Consistency	liquid	
Colour	light yellow	
Odour	similar to amine	
Spec. density (23°C)	approx. 0.99 g/cm ³	DIN EN ISO 2811-1
Dyn. viscosity (23°C)	approx. 20 - 40 mPas	DIN EN ISO 2555

Mixture of A- and B-component:

Processing temperature	10 - 30°C	substrate temperature
Mixing ratio A : B	3.91 : 1 (parts by volume) 4 : 1 (parts by weight)	
Viscosity of mixture (23°C)	approx. 35 mPas	DIN EN ISO 2555

Reaction data (at 23°C):

Pot-life	approx. 40 min	DIN EN 14022
Final curing	approx. 7d	

Processing:

Mix components A and B of *HYDROPOX EP1 LV* in the prescribed proportions in a dry and clean container with the aid of a mixing device until reaching an homogeneous appearance (no streaks). Afterwards the mix is to be pumped.

Indicated injection pump: *CONTRACTOR 1U*

For cleaning of pump and injection devices we recommend the use of *PUR-O-CLEAN* (see specific Technical Data Sheet).

Safety information:

HYDROPOX EP1 LV component A contains epoxy resin. *HYDROPOX EP1 LV* component B contains amines. Both components are classified as hazardous according to Regulation (EC) 1272/2008 (CLP).

It is therefore necessary, before beginning processing, to become familiar with the precautions and safety advice as indicated in the material safety data sheet.

Packaging:

Component A	20 kg metal canister 10 kg metal canister
Component B	5 kg metal canister 2.5 kg metal canister
Combined packaging	1.25 kg combined can 1.0 l mixed bag

Bigger packaging on request.

Storage:

Shelf life at least 12 month in original packaging when stored in dry conditions between 15-25°C, protected from heat, frost and direct sunlight.

After the expiration the use of the product is generally not recommended, unless an approval has been provided by TPH. This approval can only be obtained by the quality assurance department of TPH releasing the material after verification of main properties being within specification.

Disposal:

Small quantities of cured product residues can be disposed of as normal domestic waste. Dispose of not cured product components must be effected in accordance with the corresponding local regulations. For further information please refer to the material safety data sheets.

Legal notice:

The correct and thus successful application of our products is not subject to our control. A guarantee can be issued for the quality of our products within the framework of our sales and supply conditions, however not for successful processing. All data and specifications in this specification sheet are based on the present state of the art and the right to changes and adaptations for the sake of development remains explicitly reserved. The consumption specifications designated by us can be only average empirical values, where deviations are possible on an individual basis and therefore cannot be excluded by us.

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