

## HYDROPOX EP1 HV

### Properties:

*HYDROPOX EP1 HV* is a rigid, high-viscous two component injection resin based on epoxy for filling of cracks and voids in concrete structures and brickwork.

### Technical Data:

#### Substance data of components:

##### Component A

Consistency	liquid	
Colour	light yellow	
Odour	almost odourless	
Spec. density (23°C)	approx. 1.16 g/cm <sup>3</sup>	DIN EN ISO 2811-1
Dyn. viscosity (23°C)	approx. 6000 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 <sup>3</sup>	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	2.27 : 1 (parts by weight) 1.92 : 1 (parts by volume)	
Viscosity of mixture (23°C)	approx. 400 mPas	DIN EN ISO 2555

#### Reaction data (at 23°C):

Pot-life	approx. 30 min	DIN EN 14022
Final curing	approx. 7d	

#### Properties after curing:

Compressive strength	approx. 95 N/mm <sup>2</sup>	DIN EN 12190
E-modulus	approx. 190 MPa	DIN EN ISO 527
Tensile strength	approx. 34 MPa	DIN EN ISO 527
Elongation at break	approx. 6 %	DIN EN ISO 527

### Processing:

Mix components A and B of *HYDROPOX EP1 HV* 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 HV* component A contains epoxy resin. *HYDROPOX EP1 HV* 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:**

Combined packaging 1.44 kg combined can

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.

**Test certificates:**

Examination according to TrinkwV 2012 and Coatings Guideline; görtler analytical services gmbH Vaterstetten 2019

**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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**TPH.**  
*Waterproofing Systems*