

## PUR-O-STOP SL

### Properties:

*PUR-O-STOP SL* is a two-component injection resin based on polyurethane. *PUR-O-STOP SL* is used:

- for lifting of concrete slabs in road construction,
- for solidification of traffic areas,
- for filling of cavities and stabilization in building construction, tunneling, underground and canal construction.

*PUR-O-STOP SL* is fast reacting, slightly foaming and has only a very low volumetric expansion factor of 2 to 3 even when reacting with water in injection area.

### Technical data:

#### Substance data of components:

##### *Component A*

Consistency	liquid	
Colour	colourless	
Odour	odourless	
Spec. density (23°C)	approx. 1.03 g/cm <sup>3</sup>	DIN EN ISO 2811-1
Dyn. viscosity (23°C)	approx. 200 mPas	DIN EN ISO 2555

##### *Component B*

Consistency	liquid	
Colour	brown	
Odour	characteristic	
Spec. density (23°C)	approx. 1.23 g/cm <sup>3</sup>	DIN EN ISO 2811-1
Dyn. viscosity (23°C)	approx. 400 mPas	DIN EN ISO 2555

#### Mixture of A- and B-component:

Processing temperature	5 - 40°C	substrate temperature
Mixing ratio A : B	1 : 1 (parts by volume)	

#### Reaction data (at 23°C):

Cream time (start of foaming)	approx. 50 s	ASTM D7487
Free rise time (end of foaming)	approx. 80 s	ASTM D7487
Volumetric foaming factor	approx. 2-3	ASTM C1643

#### Properties of polyurethane resin:

Compressive stress at 10 % compression		DIN EN ISO 604
1 h	7.6 MPa	
8 h	7.7 MPa	
7 d	8.2 MPa	
Compressive strength		DIN EN 12190
2 h	approx. 45 N/mm <sup>2</sup>	
24 h	approx. 45 N/mm <sup>2</sup>	
7 d	approx. 45 N/mm <sup>2</sup>	

### Processing:

Both components are taken directly from the original packaging by means of a 2K injection pump and mixed homogeneously in a static mixer.

Injection is done over packer or injection lances directly into the construction, soil, rock or under the traffic area.



**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:**

Basic examination according to TL BEB-StB 15, table 27; MFPA Leipzig 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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