

PUR-O-STOP HF

Properties:

PUR-O-STOP HF is a 2K injection resin based on Polyurethane, which is used for:

- backfilling of pockets and gaps respectively for stabilization in building construction, tunneling, civil engineering and underground work,
- Filling of big joints and at the same time stabilization of dry und wet gravel aggregate beds,
- sealing of breakouts respectively pipe routs and cable channels and
- stopping of water breakthroughs in case of cracks, working joints as well as prefabricated concrete parts.

PUR-O-STOP HF is a fast reacting resin with rapid tendency to foam development, which creates after reaction a press water tight sealing. It becomes solid and in the time elastic with heat-insulating ability.

Technical Data:

Substance data of components:

Component A

Consistency	liquid	
Colour	colourless	
Odour	odourless	
Spec. density (23°C)	approx. 1.05 g/cm ³	DIN EN ISO 2811-1
Dyn. viscosity (23°C)	approx. 240 mPas	DIN EN ISO 2555

Component B

Consistency	liquid	
Colour	brown	
Odour	characteristic	
Spec. density (23°C)	approx. 1.23 g/cm ³	DIN EN ISO 2811-1
Dyn. viscosity (23°C)	approx. 240 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. 20 s	ASTM D7487
Free rise time (end of foaming)	approx. 45 s	ASTM D7487

Properties after curing:

Volumetric expansion factor	approx. 13-15	ASTM C1643
Bulk density / Spec. gravity	approx. 71 kg/m ³	DIN EN ISO 845
Compressive strength	approx. 2.0 N/mm ²	DIN EN 12190

Processing:

PUR-O-STOP HF is processed by means of manual or pneumatic 2K cartridge pump and applied directly into the gap or part to be sealed.

Joints and cracks should be bored with a 16mm bore channel. The static mixer is placed directly into the channel in order to avoid loss of material and bring the resin directly into the water bearing parts.

Examination of the leaching behaviour with reversed flow direction of the two component injection resin based on polyurethane *PUR-O-STOP HF* (column trial referring to DIBt Guideline "Assessments of the effects of construction products on soil and ground water"; MFPA Leipzig 2011

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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