

PUR-O-STOP

Properties:

PUR-O-STOP is a single-component injection resin on polyurethane base, which is employed for stopping water ingress, for stopping flowing water in combination with acrylate gel grouting, for ground and rock hardening, as well as for numerous other sealing requirements in civil and mining engineering and in tunnel construction.

PUR-O-STOP reacts with the water present in the injection area with strong foam formation. With the addition of up to 10% *PUR-O-STOP* catalyzer to the *PUR-O-STOP* polyurethane resin, the potlife can be reduced.

Technical data:

Storage	:	Dry between 10 and 25°C, in original containers approx. 6 months
Consistence	:	Liquid
Color	:	Dark brown
Odor	:	Characteristic
Spec. gravity	:	Approx. 1.13 g/cm ³
Viscosity (20°C)	:	Approx. 870 mPas
Processing temperature	:	5 - 40°C (component part temperature)
Form of delivery	:	Resin: 1, 10 or 22 kg metal canister Catalyzer: 4.5 kg metal canister

Processing:

PUR-O-STOP is a single-component which is injected into the water-carrying areas with the aid of pneumatics, electrical or hand-operated 1 K pumps e.g. *CONTRACTOR 1U*. To decrease the potlife, up to 10% of *PUR-O-STOP* catalyzer can be added to *PUR-O-STOP*. The mixture of *PUR-O-STOP* and *PUR-O-STOP* catalyzer lasts approx. 8 hours, where a skin can form on the liquid surface through reaction with water, however which does not influence the processing of the material.

Reaction data:

	Without cat.	With 5% cat.	With 10% cat.
Starting time (foaming beginning) [min:sec]	0:30 ± 0:05	0:25 ± 0:05	0:15 ± 0:05
Rise time (foaming) [min:sec]	2:20 ± 0:05	1:45 ± 0:05	1:00 ± 0:05
Bulk density / specific gravity [kg/m ³]	39	25	22

(The data were measured at 20°C and with a content of 10% water in the reaction mixture)

Please note:

PUR-O-STOP contains isocyanate, plasticizer and additives. The entire product is classified with the danger designation Xn (health-endangering). It is therefore necessary, before beginning processing, to become familiar with the precautions and safety advice as indicated in the safety data sheet.

Proper and as a result successful use of our products is beyond our control. For this reason we can only guarantee the quality of our products within the framework of our Terms and Conditions of Sale and Delivery, not, however, for their successful processing. All data and information in these instructions are based on the latest state-of-the-art technology, we expressly reserve the right to make modifications or adaptations to the development. The consumption data quoted by us can only be average experience values, deviations in individual cases are possible and can therefore not be excluded.

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