

## **PUR-O-FLEX**

### **Properties:**

*PUR-O-FLEX* is a multi-purpose, one-component, pasty sealant based on silane-modified polymers civil engineering, structural engineering and tunneling.

*PUR-O-FLEX* has an early resistance to water, hardens to a soft-elastic, rubber-like sealing when subjected to humidity and shows excellent weather resistance.

*PUR-O-FLEX* is solvent-, isocyanate-, silicone-free and contains no pentachlorphenol (PCP).

*PUR-O-FLEX* is coating compatible in terms of DIN 52452, part 4.

### **Technical data:**

#### Substance data:

Consistency	pasty	
Colour	grey	
Odour	hardly noticeable	
Spec. density (23°C)	approx. 1.5 g/cm <sup>3</sup>	DIN EN ISO 2811-1
Dyn. viscosity (23°C)	3000 - 6000 Pas	DIN EN ISO 2555

#### Reaction data (23°C):

Processing temperature	5 - 40°C	substrate temperature
Tack-free time *	approx. 15 min	ASTM C679
Setting process *	approx. 3 mm/24 h	

#### Properties of cured mastic:

Tensile strength	approx. 0.5 N/mm <sup>2</sup>	DIN EN ISO 527
Elongation at break	approx. 400 %	DIN EN ISO 527
Shore A hardness	approx. 25	DIN ISO 7619-1
Max. movement absorption	approx. 25 %	
Temperature resistance	-40 to +80°C	

( \* measured at 23°C / 50 % rel. humidity)

### **Processing:**

The surfaces shall be firm, sustainable, clean and free of separating substances (fats, oils, etc.). The surfaces shall not contain substances containing tar, as otherwise the adhesion is reduced.

*PUR-O-FLEX* should be sprayed steady with force on the bonding area. For the processing of aluminium foil sausages we propose the manual caulking gun Z2 or an equivalent unit.

Opened containers should be used up as soon as possible.

The adhesion on hard-to-bond plastics such as PE or PP (polyolefine) should be tested before beginning. A preliminary compatibility test is necessary for the application on coated surfaces.

The application of a primer is required for jointing on highly absorbent surfaces such as concrete, porous concrete, cement, gypsum etc.. We recommend using *FIX-O-FLEX PRIMER* on dry and *HYDROPOX EPG* on slightly moist surfaces.

On contact surfaces such as aluminium, galvanised steel plate, PVC, PS, Makrolon and others *PUR-O-FLEX* can be used without primer.

The full hardening time depends on the humidity and temperature. By increasing the temperature and humidity the full hardening time can be reduced.

**Safety information:**

*PUR-O-FLEX* is not classified as hazardous according to Regulation (EC) 1272/2008 (CLP).

Even in the case of not classified products, the standard precautionary measures applicable for chemical products should be observed.

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:**

600 ml aluminium foil sausages

Bigger packaging on request.

**Storage:**

Shelf life at least 9 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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Waterproofing Systems