Technical Data Sheet
Issue: 09-04-2018

PUR-O-RIP PLUS

CE-marking in accordance with EN 1504-5

CE
TPH Bausysteme GmbH
D-22848 Norderstedt
10
GER0513/03
EN 1504-5:2004
Essential characteristics:
See declaration of performance

Properties:

PUR-O-RIP PLUS is a two component injection resin based on polyurethane, which is used for injection of water bearing cracks in concrete and brickwork.

PUR-O-RIP PLUS cures during reaction of A and B component as well as while getting in contact with water at injection.

PUR-O-RIP PLUS penetrates well into structures to be sealed. Upcoming water gets mostly forced out due to the viscous and hydrophobic mixture. At borders of resin/water the mixture develops stable and elastic foam.

Technical Data:

Substance data of components:		
Component A		
Consistency	liquid	
Colour	transparent	
Odour	hardly noticeable	
Spec. density (23°C)	approx. 1.01 g/cm^3	DIN EN ISO 2811-1
Dyn. viscosity (23°C)	approx. 300 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. 100 mPas	DIN EN ISO 2555
Mixture of A- and B-component:		
Processing temperature	5 - 30°C	substrate temperature
Mixing ratio A : B	2.5 : 1 (parts by weight) 3 : 1 (parts by volume)	
Viscosity of mixture (23°C)	approx. 200 mPas	DIN EN ISO 2555
Reaction data (at 23°C):		
String gel time (Pot-life)	approx. 3-4 h	ASTM D7487
Final curing	7 d	
Properties after curing:		
E-modulus	approx. 2.7 MPa	DIN EN ISO 527
Tensile strength	approx. 1.5 MPa	DIN EN ISO 527
Elongation at break	approx. 80 %	DIN EN ISO 527

Processing:

Mix components A and B of *PUR-O-RIP PLUS* 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 TDS).

Safety information:

PUR-O-RIP PLUS component B contains isocyanates and is 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:

Component A	20 kg metal canister 10 kg metal canister
Component B	8 kg metal canister 4 kg metal canister
Combined packaging	1.4 kg combined can 1.0 l mixed bag

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.

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.

TPH Bausysteme GmbH
Nordportbogen 8
D-22848 Norderstedt

Tel.: +49 (0)40 / 52 90 66 78-0
Fax: +49 (0)40 / 52 90 66 78-78
e-mail info@tph-bausysteme.com
Web www.tph-bausysteme.com

Waterproofing Systems