

## TECHNICAL DATA

# LEYCO<sup>®</sup>-PUR 251

**PUR injection grout as a so-called waterstop system.**

### Description

LEYCO-PUR 251/LEYCO-PUR 251 CAT as such is a one component polyurethane consisting of a isocyanate component (LEYCO-PUR 251) and a special type of catalyst (LEYCO-PUR 251 CAT).

LEYCO-PUR 251 is based on crude MDI in combination with polyether polyols produced by LEYCOSystems. This PUR system only reacts when it comes in contact with water giving a relatively stiff polyurethane foam.

### Features

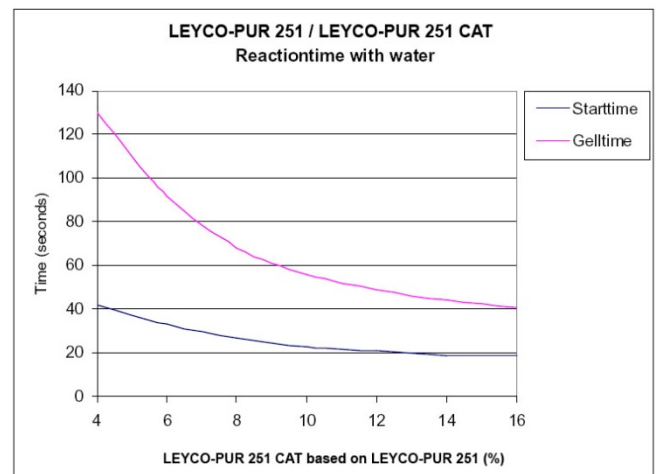
- solvent and filler free
- outstanding resistance to water
- hysiologicaly harmless

### Application

LEYCO-PUR 251/ LEYCO-PUR 251 CAT is a complete system, that is ideally suited for sealing of cracks and breaks in concrete structures with water leakage problems. Especially in cases of running water or cracks filled with water LEYCO-PUR 251/ LEYCO-PUR 251 CAT is advised, because the water is stopped and/or reacted away. To get an optimal repair the crack should be injected with LEYCO-PUR 252 / LEYCO-PUR 252 CAT 2 for an elastic joint after using LEYCO-PUR 251/ LEYCO-PUR 251 CAT

### Operation

To get a controlled reaction with the water the geltime can be adjusted by adding the catalyst LEYCO-PUR 251 CAT to the LEYCO-PUR 251.



Testrecipe:  
 100 parts by weight LEYCO-PUR 251  
 x parts by weight LEYCO-PUR 251 CAT  
 20 parts by weight Water

Dependent of the velocity of the running water or the amount of water expected in a crack the geltime should be fixed before injection. Adjust the amount of LEYCO-PUR 251 CAT and mix this proper into the LEYCO-PUR 251. Avoid mixing humid air into this material. The ready mix can be pumped by means of a single component injection pump, that is equipped for higher pressure.

This is necessary to withstand the water pressure. After the injection the pump must be cleaned with N-methylpyrrolidon (NMP) (these products may not contain any water).

## Physical constants of the liquid components

	LEYCO-PUR 251	LEYCO-PUR 251 CAT
Colour:	Brown	Clear
Specific gravity kg/m <sup>3</sup> at 20°C	1120 – 1140	930 – 950
Viscosity mPa.s at 25°C	300	50
Storage stability: (In well sealed drums)	12 month	12 month

## Instruction for use

To prevent condensation on the liquids, at the start of the operation the temperature of the components should be adjusted to the ambient temperature (20...25°C).

## Protection and security

When handling the raw materials and components, care should be taken to prevent the liquids

from coming into contact with the skin and eyes. Avoid also inhalation of their vapours.

Detailed

safety precautions, which should be observed during the operation are given in our material safety data sheets.

### Remark:

All information in this brochure is based on our practical experience and reliable research in our laboratory. Nevertheless, we will assume for the use of the information no responsibility because of the conditions and circumstances under which stored the products in practice, handled and processed, will have no influence. For detailed information and advice, our experts are always available.  
07/30/2010