

LEYCO[®]-PUR 251

PUR INJECTION GROUT AS A SO-CALLED WATERSTOP SYSTEM

Product 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

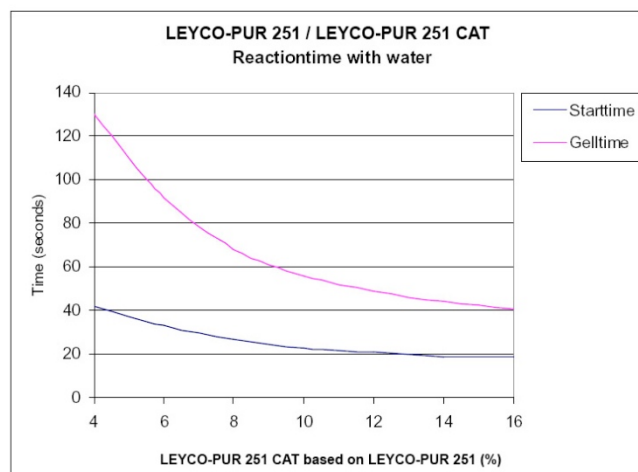
Application

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 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.



Testrecipec:

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

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Product Data Sheet

Product No: 31.251

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 ³ 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

LEYCO-PUR 251 CAT

Material	PUR-Catalyst	
Application	Production of non-foaming polyurethanes	
Product properties		
Density	[kg/m ³ ; 20°C]	920
Viscosity	[mPa.s; 25°C]	<50
OH-value	[mg KOH/g]	0
Appearance		Colourless
Storage stability	[months]	12
Storage temperature	[°C]	15-25
Packaging		Drum, IBC, Bulk

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).

Safety Instructions

Safety precautions

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.

Legal notes

Whilst information and/or specification contained herein is to the best of our knowledge true and accurate, and is based on many years experience, we cannot accept any liability either directly or indirectly arising from the use of our products, whether or not in accordance with any advice, specification or recommendation given by us, as we have no direct or continuous control over how or where our products are applied.

LEYDE-PRODUCTS are guaranteed against defective materials and manufacture and are sold subject to its standard terms and conditions of sale. 05.08.2010