

**SINGLE COMPONENT UNIVERSAL
PUR H100
water cut-off grout -cavity filling**

DESCRIPTION

- Solvent-free Polyurethane prepolymer for single-shot injection. Phthalate free.

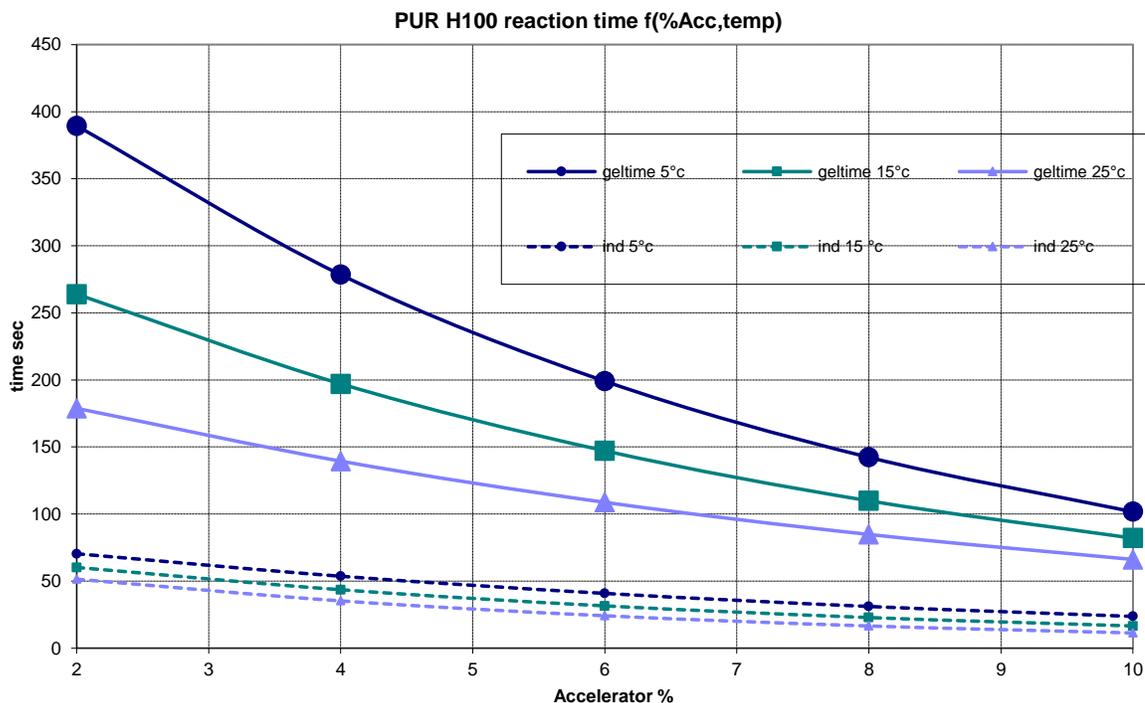
APPLICATIONS

- Injection resin for water cut-off in concrete, masonry structures and sandy soils; even when strong seepage or gushing water is encountered.
- Rapid filling of water bearing cavities.

ADVANTAGES

- Adaptable reaction velocity by varying accelerator dosage from 2 to 10%.
- Reaction with water results in formation of a rigid polyurethane foam that forms with the substrate, a hydrophobic and chemically resistant conglomerate.
- Good compression strengths are obtained in a very short time without shrinking or swelling.
- Solvent-free system: the end product is harmless to the environment and resistant to biological attack.

REACTION TIME VS TEMPERATURE



PROPERTIES

PUR H100, uncured			
Appearance		brown liquid	
Viscosity at 77°F	ASTM D4878-98	150 ± 20	cps
Flashpoint	ASTM D1310-86	>302	°F
Relative Density at 77°F	ASTM D3505-96(2000)	1.08 ±0.005	

PUR H100 ACC, Accelerator for PUR H100			
Appearance		yellow clear liquid	
Viscosity at 77°F	ASTM D4878-98	15 ± 5	cps
Flashpoint	ASTM D1310-86	>302	°F
Relative Density at 77°F	ASTM D3505-96(2000)	0.995 ± 0.003	

PUR H100 + Accelerator cured			
Compressive Strength (confined)	ASTM D4219-93a	942	psi
Tensile Strength	ASTM D1623-78	290	psi
Density (confined)	ASTM D-3574	5.5	lbs/cu.ft
Water absorption	ASTM D-2824	< 1	%

AVAILABILITY

PUR H100 and PUR H100 ACC are very hygroscopic; therefore material is packed under dry atmosphere.

Stored at 68°F in the original unopened containers, shelf life is at least 12 months.

Once opened, containers should be used as soon as possible.

PUR H100 comes packed in 5 gallon metal pails.

PUR H100 ACC comes packed in 0.5 gallon polyethylene bottles.

PROCEDURE

Before using PUR H100 ACC always shake well to make sure the mixture is homogeneous.

Mix PUR H100 and PUR H100 ACC in the chosen ratio (from 2% to 10%).

Normal injection pumps can pump the mixture into an appropriate single-shot injection system.

SAFETY PRECAUTIONS

Avoid any contact with skin or eyes.

Follow safety precautions as indicated on our separate "Safety Data Sheet".

REACH compliant



The information in this data sheet has been given in good faith but without warranty. The application, use and processing of the products are beyond our control and therefore entirely your responsibility. Should, in spite of this, liability be established for any damages, it would be limited to the value of the goods delivered by us and used by you. We will of course provide products of consistent quality. Date: 01/15/2014