

**SINGLE COMPONENT LOW VISCOSITY
FLEXIBLE PUR F400**

DESCRIPTION

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

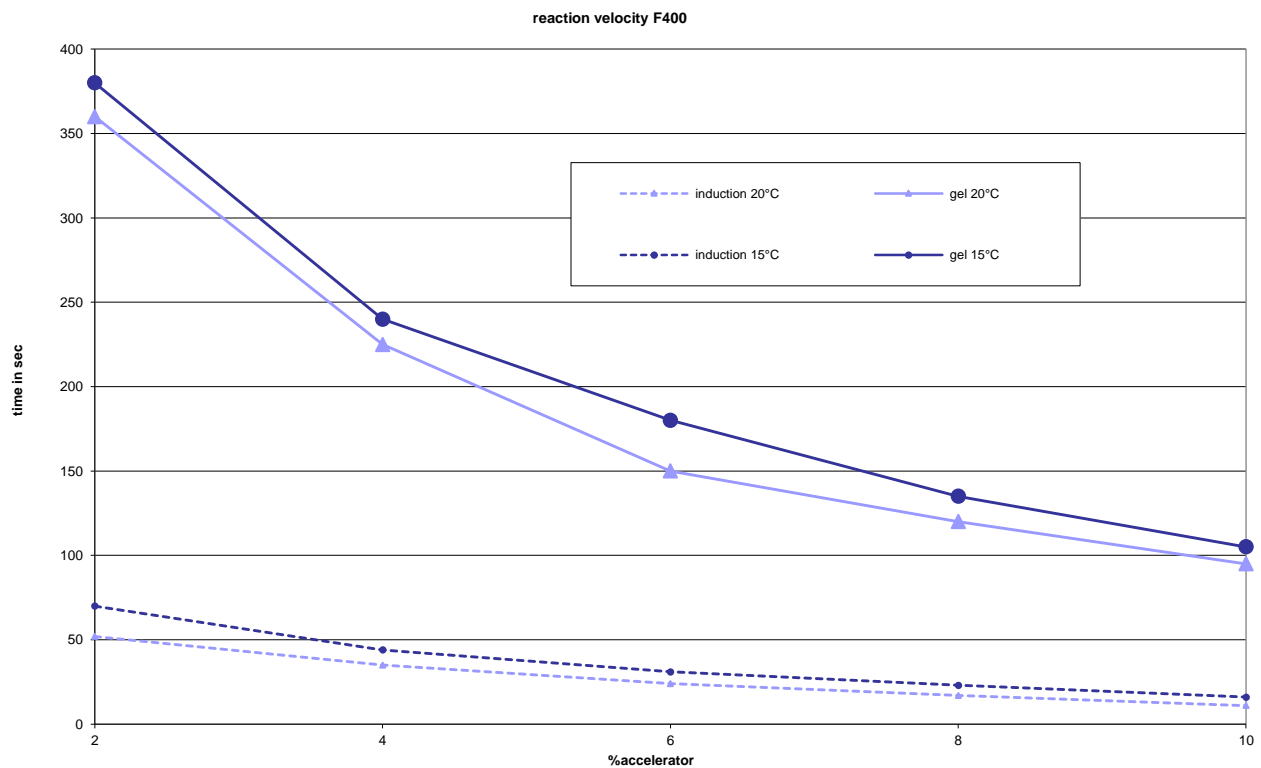
APPLICATIONS

- Low viscosity injection resin for water cut-off in concrete, masonry structures and sandy soils, even when strong seepages or gushing leaks are encountered.

ADVANTAGES

- Adaptable reaction-velocity by varying accelerator dosage from 2 to 10%.
- Reaction with water results in formation of flexible polyurethane, which forms a hydrophobic and chemically resistant barrier. Sealing is obtained in a very short time without further shrinking or swelling.
- Solvent-free system: the resulting end product is harmless to the environment and resistant against biological attack.

REACTION TIME VS TEMPERATURE



PROPERTIES

PUR F400, uncured prepolymer containing reactive isocyanate groups			
Appearance		yellow liquid	
Viscosity at 77°F	ASTM D4878-98	340 ± 20	cps
Flashpoint	ASTM D1310-86	>302	°F
Relative Density at 77°F	ASTM D3505-96(2000)	1.067 ± 0.005	

PUR F400 ACC, Accelerator for PUR F400			
Appearance		blue liquid	
Viscosity at 77°F	ASTM D4878-98	12 ± 5	cps
Flashpoint	ASTM D1310-86	>302	°F
Relative Density at 77°F	ASTM D3505-96(2000)	0.995 ± 0.003	

PUR F400 + Accelerator cured			
Hardness	ASTM D2240-00	69	ShoreA
Tensile Strength	ASTM D3574-03	290	psi

AVAILABILITY

PUR F400 and PUR F400 ACC are very hygroscopic, therefore the 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 F400 comes packed in 5 gallon metal pails.

PUR F400 ACC comes packed in 0.5 gallon polyethylene bottles.

PROCEDURE

Before using PUR F400 ACC always shake well to make sure the mixture is homogeneous.

Mix PUR F400 and PUR F400 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