

**SINGLE COMPONENT ULTRAFINE
PUR H40
soil stabilization**

DESCRIPTION

- Solvent-free Polyurethane prepolymer, containing reactive isocyanate groups, for single-shot injection soil stabilization. Phthalate free.

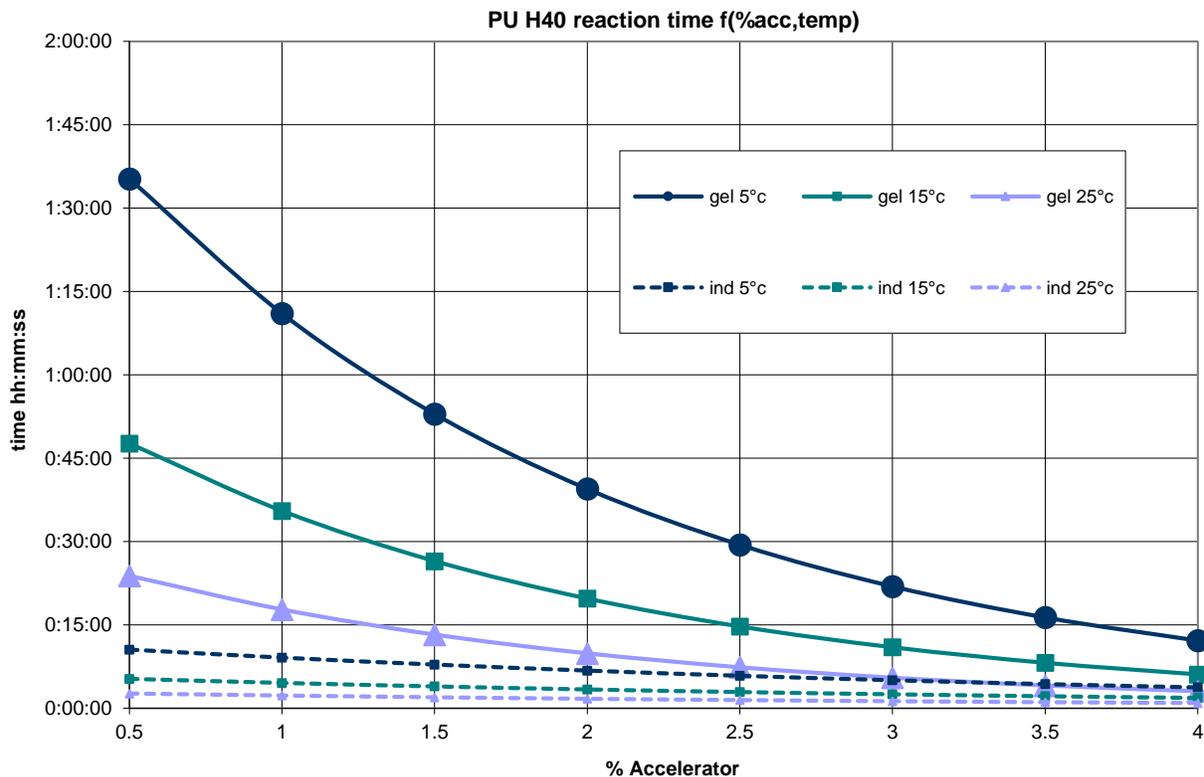
APPLICATIONS

- Low viscosity injection resin for soil stabilization in water-saturated ground layers. Penetrates in the finest sand because of decrease of virtual viscosity due to generation of carbon dioxide gas.

ADVANTAGES

- Reaction with water results in formation of rigid polyurethane, which 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 H40, uncured			
Appearance		brown liquid	
Viscosity at 77°F	ASTM D4878-98	40 ± 10	cps
Flashpoint T.O.C.	ASTM D1310-86	>302	°F
Relative Density at 77°F	ASTM D3505-96(2000)	1.100 ± 0.002	

PUR H40 ACC Accelerator for PUR H40			
Appearance		grey clear liquid	
Viscosity at 77°F	ASTM D4878-98	20 ± 5	cps
Flashpoint T.O.C.	ASTM D1310-86	>302	°F
Relative Density at 77°F	ASTM D3505-96(2000)	0.996 ± 0.003	

PUR H40 + Accelerator, cured, injected in sand			
Compressive Strength	ASTM D4219-93a	905	psi

AVAILABILITY

PUR H40 and PUR H40 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 H40 comes packed in 5 gallon metal pails.

PUR H40 ACC comes packed in 0.5 gallon polyethylene bottles.

PROCEDURES

Before using PUR H40 ACC always shake well to make sure the mixture is homogeneous.

Mix PUR H40 and PUR H40 ACC in the chosen ratio (from 0.5% to 2%).

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 complaint

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