

## FLEXIBLE - Flexible Water-Reactive Polyurethane Resin

### DESCRIPTION

**FLEXIBLE** is a solvent-free, non-toxic, single-component water-reactive polyurethane injection resin. It reacts with water to form a permanent and flexible hydrophobic foam barrier in leaking **potable water** tanks and other leaking concrete structures.

### COMPOSITION

RESIN - polyurethane prepolymer (MDI-based)  
 ACCELERATOR - alkylamine accelerator

### APPLICATION

**FLEXIBLE** is suitable for use in water cut-off applications involving **potable water** tanks and other concrete structures, including moving construction joints, expansion joints and cracks even when large seepages or flowing leaks are encountered.

The reaction time can be controlled by varying the accelerator dosage from 1% to 10%, depending on site conditions.

A flexible gasket or foam plug is formed in the joint or crack that is stable and will not shrink or expand after curing.

### CHARACTERISTICS

Component:	<u>RESIN</u>	<u>ACC</u>
Density (20°C):	1.069	0.995
Viscosity (25°C):	600 cps	25 cps
Colour:	light yellow	clear
Elongation (cured foam):	> 250%	



*Cracks and joints in potable water structures such as the Shoal Lake Aqueduct are sealed with **FLEXIBLE** resin*

### PRODUCT MIXING & APPLICATION

1. Add between 1% and 10% ACCELERATOR to RESIN depending on the desired setting time.
2. Mix thoroughly until homogeneous.
3. Install using a single-component injection pump.
4. Clean pump and equipment with appropriate solvent every few hours, or once injection work is completed.

### PACKAGING

RESIN - 20 kg pails  
 ACCELERATOR - 2 kg bottles



WQA tested and classified in accordance with NSF/ANSI Standard 61.