Tri-State Waterstoppers TL 10

ACRYLATE POLYMER SYSTEM

Description

TL 10 is a fast-reacting, low viscosity, acrylate polymer used to seal water leaks in concrete structures and to stabilize soils. The product utilizes environmentally safe acrylic resins in conjunction with catalysts and accelerators. The system is typically pumped at a ratio of 1:1 when controlling active water leaks and at higher ratios with water when ultra-low viscosity is needed to penetrate fine soil particles. At a 1:1 ratio, the resulting product is a flexible elastomer. At a higher ratio of water to resin, a pliable gel results. For specific mix ratios for fine soils please contact Tri-State Waterstoppers, Technical Services Department.

Typical Application

TL 10 is typically used to seal any leak below grade, both in concrete structures and soils. The product is used extensively in tunnels of all types, below-grade parking garages, foundations, tanks, sewers, shafts and around large diameter pipes, cracked concrete and various failed construction joints.

Advantages

- Super-low viscosity
- Easy clean-up
- Reaction is site “adjustable”
- Economical
- Non-hazardous shipping
- Non-flammable
- Non-hazardous when cured

Typical Information

PHYSICAL PROPERTIES	
Viscosity	5-8 cps mixed
Specific gravity	1.2
Elongation	300%
Boiling point	>212°F
Freezing point	32°F
PH	6.5-7.5

SET TIME		
% of the complete solution by weight		
SP	TEA	Setting Time
0.25	0.25	40 minutes
0.50	0.50	15 minutes
1.00	1.00	03 minutes
2.00	2.00	30 seconds

Packaging

TL 10 is supplied in tankers, totes, and drums. The accelerator and catalyst are supplied in plastic containers filled by weight as required.

Materials should be stored indoors, away from direct sunlight, above 40°F and below 80°F in plastic (or stainless steel) containers at all times and must be kept separated prior to use. All equipment to pump TL 10 must be designed specifically for this acrylic formulation. Use only stainless steel pumps and equipment due to the corrosive nature of the materials. Do not use aluminum components. SP and TEA components may form a toxic gas if mixed prior to field application. Follow manufacturer’s instructions carefully during mixing and application. Always wear protective clothing in accordance with current OSHA requirements. Avoid skin and eye contact. Do not ingest. Do not mix SP and TEA exclusively from other components.

READ SDS AND UNDERSTAND SAFETY ISSUES PRIOR TO USE

Tri-State Waterstoppers, LLC