



# PARSON PERMA SEAL

**DESCRIPTION:** PARSON PERMA SEAL is a single component, hydrophilic polyurethane grout. It contains no TDI or solvents and has excellent elongation and flexibility properties. Reaction time when mixed 1:1 with water is approximately 30 seconds. PARSON PERMA SEAL can be used to stop low to medium volume active leaks in Manholes, Pump Stations, Water and Wastewater tanks, Concrete Pipes and other Concrete and Masonry Structures.

**ADVANTAGES:**

- Chemically Resistant
- Great Adhesion
- Stops active leaks
- Non Hazardous
- Environmentally Friendly
- High Elongation
- Excellent Flexibility
- Easy to use



**PHYSICAL PROPERTIES:**

Viscosity	500 cps @ 77°F	ASTM D-1638
Density	5 lbs/cu. ft.	ASTM D-1622
Elongation	400%	ASTM D-638
Tensile Strength	370 psi	ASTM D-638
Shear Strength	170 psi	ASTM D-732

**MIXING:** PARSON PERMA SEAL may be used as a single component grout or mixed with water. At a 1:1 ratio of grout to water, the reaction time should be approximately 30 seconds and expansion time should be approximately 6 minutes. Please note the actual reaction times may vary slightly due to ambient temperature and humidity.

**APPLICATION:** Drill several 3/8" holes that are in close proximity to the leaking area using alternating hole patterns with one hole on each side of the crack or leak. Drill the holes through the structure. The distance from the crack should be equal to 1/2 the depth of the structure. Install one 3/8" drive-in port into each hole. Follow standard injection practices starting from the bottom port. Begin injecting PARSON PERMA SEAL using recommended pumping equipment. Care should be taken not to over inject. When grout rejection is achieved, move to the next application port. Refer to our Chemical Grouting Specifications for additional information.

**PRECAUTIONS:** PARSON PERMA SEAL is moisture sensitive and should not be exposed to ambient conditions until ready for use. Completely reseal container immediately after use. Avoid contact with moisture.

**SAFETY:** Wear protective eyewear and headgear and cover all exposed skin. Follow appropriate OSHA requirements and procedures for confined space entry. Refer to container label for First Aid procedures. See MSDS for specific instructions.

**STORAGE:** Shelf life is 5 years in original container stored in dry environment at 70°F.

**PACKAGING:** PARSON PERMA SEAL is available in 5 gallon plastic jugs and 10 oz. caulk tubes.