



by Protective Technologies Inc.

Sump Repair Solutions • Under Dispenser Containment • Watertight Manhole Covers

## **SumpTite Solutions for New Construction (Eliminating Water Problems)**

Most state regulations require maintenance of tank and dispenser containment sumps to assure resistance to ground and rainwater intrusion. These chambers must also have the capability of retaining fuel or water that may collect while in operation. SumpTite Sealants and Coatings offer a means of accomplishing both.

SumpTite is an effective repair material for damaged or poorly installed sumps and dispenser containment systems. However, repairing leaks post install can be extremely difficult and expensive. Often, permanent repairs are impossible due to the location of the leaking component and the extent of head pressure exerted at the leak point. The following will offer a means of addressing these problems at the appropriate time...**during installation.**

### **THE SUMPTITE NEW CONSTRUCTION SYSTEM:**

Basement walls are waterproofed from the outside - prior to backfill. This allows the external head pressure to work for you. If the waterproofing were applied to the interior, hydrostatic pressure would push it off the walls and the basement would leak.

This is the logic behind the SumpTite New Construction waterproofing system for underground chambers at petroleum fueling facilities. Waterproof the potential failure points prior to backfill, thereby utilizing the hydrostatic pressure to your advantage. Consider this minimal expense an insurance policy against future water intrusion in the event of boot or seam failures after the site is backfilled, paved and in service.

### **ABOUT THE PRODUCT:**

SumpTite Sealant is a two-component polymer compound with the consistency of semi-soft rubber. It is safe to work with even in confined spaces and is resistant to all current motor fuels (including ethanol). Because it adheres well to almost any clean, dry surface and retains its flexibility indefinitely, it is an ideal material for use at fueling facilities.

### **SURFACE PREPARATION:**

1. Fiberglass Components: For maximum adhesion, the surface gel coat on sumps must be abraded using a mechanical grinding tool and cleaned with acetone. For piping, a more gentle abrasion to the gel coat with coarse sand paper is recommended.
2. HDPE (poly) Components: No grinding or sanding is recommended. Using a clean dry cloth and acetone, prepare the surface by thorough removal of surface oil and contaminants.
3. Metallic Components: If no corrosion is present, cleaning thoroughly with acetone is sufficient. When rust is encountered, remove with abrasive tool before coating.

### **MIXING:**

SumpTite Sealant is packaged in one quart and 1.5-gallon units. For new construction projects, the 1.5-gallon units are recommended. In each 1.5-gallon unit, two jars of part "B" (accelerator) are included. The total contents of both jars of part "B" are to be mixed with the complete contents of the container of part "A" (resin). Using an electric or air-powered mixer, thoroughly combine parts "A" and "B" until no white or black streaks remain. This may require up to 5 minutes of mixing time. Should, during the application step, you discover streaks; use the application brush to complete the blending process.

**NOTE:** Due to the short working time of SumpTite Sealant it is recommended that the 1.5-gallon pails be split between two workers in order to avoid waste (especially in periods of high temperature and humidity). All fueling system components are to be assembled and tested and all prep work completed prior to application of the sealant.

### **APPLICATION:**

Using a 1.5 to 2 inch stiff bristle paintbrush, apply a **liberal** coat of sealant to the entire surface of each entry boot, sump seam and tank collar connection. Take care to work the sealant into all crevices of the boot and extend the coverage to approximately 2 inches of the sump wall surrounding the boot and two inches of the piping or conduit beyond the boot (graphic attached).

When the sealant has set so that it can be touched without sticking to your skin, it is time to apply the second coat. Repeat the exact process for coat number two.

**CAUTION:** Coverage to the underside of entry boots is most critical. Inspect carefully to make certain there are no voids in coverage at this point.

**NOTE: Set times vary depending on temperature and humidity.**

WARM TEMPERATURES:

SumpTite Sealant sets fastest at higher temperatures. At 70 degrees, you may allow 20 to 30 minutes of working time after mixing depending on humidity. At 85 degrees, the time may be half that, especially in periods of high humidity. The components should be kept below 65 degrees prior to mixing if possible.

COOL TEMPERATURES:

For best results in cooler conditions, keep the product components warm before applying and during the setting stage. SumpTite will not set below 50 degrees F. Artificial heat may be necessary to speed the set time.

Complete cure time is 7 days. However, temporary contact with water is safe when the sealant is completely set.

For information regarding the other materials in the SumpTite line, other uses for the products or helpful application techniques, please call:

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