

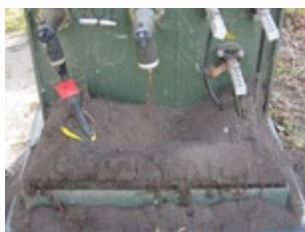
Polywater® InstaGrout™

Sealant Barrier for Transformer Pad Openings

Polywater® InstaGrout™ Sealant, based on advanced Polymer Matrix Technology (PMT), creates a strong, resilient barrier to protect transformer pads, J-Boxes, DOT control cabinets, and other protective enclosures. InstaGrout™ creates a resilient, impermeable barrier in enclosure base openings to help prevent service disruptions and safety hazards. The hardened, lightweight InstaGrout™ seal safeguards expensive equipment and cabling from damage by pests such as rodents, snakes, spiders, wasps, and fire ants.

InstaGrout™ is easy to apply. Its self-leveling flow allows it to seal around stub-ups and expand into hard to reach areas under heavy equipment or cables. The hardened PMT base creates a strong cross-linked matrix that will not crumble or collapse. InstaGrout™ is a sturdy and economical alternative to concrete grout and; it doesn't need water.

Before...



Massive earthen build-up in the transformer



Sticks brought into transformer through visible rodent hole next to conduit



Close-up of rat bite marks on elbows



DOT traffic cabinet

After



Polywater® InstaGrout™ Sealant Barrier makes sealing pad and pedestal openings simple.



- **Safeguard enclosures, equipment and cables from damage**
- **Prevent animal intrusions into protective enclosures**
- **Economical, robust alternative to concrete grout**
- **Protect hard to access areas and equipment**
- **Easy to mix and apply; no water required**
- **Compatible with all cable jacket materials**
- **Withstands temperature extremes**

Polywater® InstaGrout™

Polywater® InstaGrout™ Sealant is a two-part system packaged in pre-measured quantities for easy, on-site mixing. The repair compound flows and expands around complex conduit stub-ups. It adheres to metals, plastics, wood, and concrete. InstaGrout™ self-levels and covers uneven dirt and sand base material. The result is a continuous barrier created from a convenient liquid system. It naturally expands to a thickness of 3 to 4 inches. Kit coverage is calculated using a 3-inch fill depth (7,60 cm). Working temperature range is from 35° F to 110° F (4° C to 43° C).

Carefully measure the area to be sealed by multiplying the width (in feet) by the length (in feet)* of the opening pad in the structure. Do not subtract any conduits or other stub-up utilities. Use this measurement to estimate the minimum quantity required. Round up to determine quantity of InstaGrout™ Sealant required. It is good practice to rely on field measurements to calculate quantity, rather than measurements from plans or specs. Actual pad opening dimensions may vary from drawings due to manufacturing variances or earlier pad change-outs.

Example: Pull box measuring 15 inches (38 cm) by 36 inches (91, 5 cm).

- Pull box area is 3.75 ft. (3.477 cm).
- Seal requires one PMT-3 KIT and one PMT-1 KIT to cover 4 ft.2 at 3-inch depth (3.700 cm² at 7, 6 depth). The additional PMT-1 will fill any holes or gaps left after the application of the PMT-3 Kit.

*1 foot = 30,5 cm

Catalog No.	Area Covered	Volume Filled
PMT-1	1 ft ² at 3-in. depth (929 cm ² at 7,60 cm depth)	0.25 ft ³ (7.079 cm ³)
PMT-3	3 ft ² at 3-in. depth (2.787 cm ² at 7,60 cm depth)	0.75 ft ³ (21.237 cm ³)
PMT-10	10 ft ² at 3-in. depth (9.290 cm ² at 7,60 cm depth)	2.50 ft ³ (70.792 cm ³)

Catalog No.	Description	Units/Case
PMT-1	This kit will cover 1 square foot (approx.) with a 3-inch depth. Contains: 1 Bottle Part A, 1 Bottle Part B, 1 Pair Gloves, 1 Instruction Sheet	2/Case
PMT-3	This kit will cover 3 square feet (approx.) with a 3-inch depth. Contains: 1 Bottle Part A, 1 Bottle Part B, 1 Pair Gloves, 1 Mixing Pail, 1 Mixing Stick, 1 Instruction Sheet	1 Each
PMT-10	This kit will cover 10 square feet (approx.) with a 3-inch depth. Contains: 1 Jug of Part A, 1 Jug of Part B, 1 Pair Gloves, 1 Mixing Pail, 1 Instruction sheet. (recommend using paint mixer with drill to mix product thoroughly)	1 Each

To view technical information on our website go to:

Support Page: www.polywater.com/instagrout.asp

Lubricant Application Videos: www.polywater.com/videos.asp

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ADHESIVES | CLEANERS | LUBRICANTS | **SEALANTS**

WWW.POLYWATER.COM

Important Notice: The statements here are made in good faith based on tests and observations we believe to be reliable. However, the completeness and accuracy of the information is not guaranteed. Before using, the end-user should conduct whatever evaluations are necessary to determine that the product is suitable for the intended use.

American Polywater expressly disclaims any implied warranties and conditions of merchantability and fitness for a particular purpose. American Polywater's only obligation shall be to replace such quantity of the product proven to be defective. Except for the replacement remedy, American Polywater shall not be liable for any loss, injury, or direct, indirect, or consequential damages resulting from product's use, regardless of the legal theory asserted.



Polywater® Solar Panel Wash is specially formulated for cleaning all types of solar panels without oxidizing or abrading aluminum rails and mounting apparatus. Many common car-wash soaps and window cleaners contain alkalines that promote oxidation and require a deionized water rinse.

Dust, bird droppings, pollution, pollen, tree sap, plant matter residue, etc., all reduce the overall effectiveness of solar panel generation capacity. A 2011 study by the World Academy of Science, Engineering and Technology concluded that “accumulated dust on the surface of photovoltaic solar panels can reduce the system’s efficiency by up to 50%.” Panels must be cleaned regularly to maximize system performance and longevity.

Even if only one panel in a string operates at 10% less than full capacity due to contamination, the entire string suffers the same 10% performance loss. This is known in the industry as the “Christmas-lights effect”. The small cost of regular cleaning with Polywater® Solar Panel Wash yields big savings by increasing panel capacity.

Usage

For best results product should be diluted.

- For pressure washers, hose sprayers, etc., dilute 1:25
- For persistent soils, use a higher concentration of Solar Panel Wash and a soft cloth or brush to remove any remaining residues. Rinse the panels with 1:25 SPW™ solution and allow to dry. SPW™ leaves a clean surface that will dry faster, reduce spotting, and repel soil, making it easier to clean your panels the next time. As an option, rinse surface with water. Observe the condition of the panels and repeat the process above if necessary.
- For SPW™ application tips please go to our support page link.

Package Size	Polywater® Solar Panel Wash Product#	Units/Case
1-quart bottle with hose sprayer attachment (.95 liters)	SPW-35HS	12
1-gallon pail (3.8 liters)	SPW-128	4
5-gallon pail (18.9 liters)	SPW-640	1

To view technical information on our website go to:
Support Page: www.polywater.com/solarpanelwash.html

- Effective cleaner
- Biodegradable
- Does not contain solvents - no VOC's - non-flammable
- Phosphate-free - Chlorine-free
- pH neutral - non-caustic - non-alkaline
- Will not affect aluminum rails or racking like common detergents
- Does not require deionized or purified water rinse



SPW™ being used to clean panels.



Clean panels after using SPW™.



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American Polywater's

powerpatch™

Leak Repair System for Transformers



FEATURES

Quick plugging action — First, a fast cure putty stops oil seepage.

Permanent seal — Then, a 2-part paste overcoat forms a permanent seal.

Durable — Finished seal is impervious to water, oil, and weather.

Fast — System can plug and seal active leaks in minutes.

Saves money — Faster than welding—transformer may stay in service.

Simple — No torches or power sources; no wrapping or clamping required.

Convenient — Kit contains all materials needed to fix leak while in the field.

PowerPatch™ System

Use the PowerPatch™ System's 2-part putty stick to block oil leaks. Then make a permanent patch with the fast cure, 2-part paste overcoat. Ensure optimal mix and performance with pre-measured packaging.

Seals punctures or cracks in hard to reach areas. Fixes leaks fast. At 70°F, the putty and sealant harden in about 10 minutes. Repairs made at temperatures as low as 40°F, have a somewhat slower cure. The finished patch is resistant to transformer oil and has held oil pressures in excess of 20 psi.

Preparation is important, and the kit approach provides everything needed to do the job. Read detailed application instructions before using.

PowerPatch™ Sealant Physical Properties

Color: Dark Grey

Viscosity: No-Sag, Thick Paste

Pot Life: 5 Minutes @ 70°F / 21°C

Dielectric Strength: 41 KV (ASTM D 149)

Cured Hardness: 75 (Shore D)

Durability: Resistant to UV, water, and oil

Adhesion to Metals: Good

Adhesion to Ceramic: Excellent

PowerPatch™ Kit

The PowerPatch™ Sealant is provided in a kit containing the preparation and patching materials necessary to repair oil leaks in transformers, lead-sheathed cables, potheads, and other oil-filled, electrical equipment. Kits can be customized to end-user requirements.

Product Code	Description
EP-KIT11	Contains: 2-Part Sealant (Part A & B), Putty Stick (3-1/2"), 2 TR™ Cleaning and Preparation Wipes, 24" Sandpaper Strip, 2 Mixing Sticks, 1 Pair Gloves, and Instructions. Single Use.
EP-KIT51	Contains: 6 Sets 2-Part Sealant (Part A & B), Putty Stick (7"), 6 HP™ Tandem Cleaning Degreasing Wipes, 12 TR™ Cleaning and Preparation Wipes, 6 Strips Sandpaper (24"), 12 Mixing Sticks, 6 Pair Gloves, and Instructions. Seals multiple leaks.

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**Makers of Polywater® and Dyna-Blue® Cable Lubricants
and Pull-Planner™ 2000 Software**

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