

# Polywater®

## PowerPatch® Family



### TRANSFORMER LEAK REPAIR SYSTEM



## An Economical and Effective Way to Repair Essential Grid Assets and Protect the Environment

Polywater® PowerPatch® repairs active leaks of oil and SF<sub>6</sub> gas from transformers in the field, without equipment shutdown. Whether repairing small pinholes, cracks, flanges, enclosures, or large areas, its strong material adhesion and fast cure time create a seal that protects transformers from accelerated aging and reduces costly unplanned outages and environmental risks.



### FEATURES AND BENEFITS

- **IN-FIELD REPAIR**  
Fix transformers in the field without having to shut down service
- **STRONG MOISTURE SEAL**  
Protects transformers from accelerated aging
- **HIGH-PRESSURE RESISTANCE**  
Seals leaks on the largest oil-filled and GIS systems
- **STRONG MATERIAL ADHESION**  
Bonds to steel, copper, porcelain, lead, and other common electrical substrates
- **DIELECTRIC COMPATIBILITY**  
Reduces partial discharge of oil and solid insulation

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Contents of the Polywater PowerPatch EP-KIT11.

CATALOG #	PACKAGE DESCRIPTION	UNITS/ CASE
EPCT-KIT1	2 – PowerPatch 2-part Cartridges; 4 – Mixing Nozzles 2 – 1 oz (4 cm) Putty Sticks; 8 – Type RP™ Cleaning Wipes (cat# RP-1) 1 – 24” (61 cm) Sanding Cloth; 4 – Application Sticks 1 – Instruction Sheet	1
EPCT-KITB6	1 – Box with 6 EPCT-KIT1	1
TOOL-50-11	1 – Dispensing Tool (for EPCT Kits Only)	1
EP-KIT11	1 – Sealed Plastic Bag with 2-part Sealant (part A & B) 1 – 1 oz (4 cm) Putty Stick; 2 – Type RP Cleaning Wipes (cat# RP-1) 1 – 24” (61 cm) Sanding Cloth; 2 – Mixing Sticks 1 – Pair of Gloves; 1 – Instruction Sheet	1
EP-KITB6	1 – Box with 6 EP-KIT11	1
EP-KITB12	1 – Box with 12 EP-KIT11	1
EP-KIT51	6 – 2-part Sealant Sets (part A & B); 1 – 4 oz (7”/18 cm) Putty Stick 12 – Type RP Cleaning Wipes (cat# RP-1) 6 – 24” (61 cm) Sanding Cloths; 12 – Mixing Sticks 6 – Pairs of Gloves; 1 – Instruction Sheet	1
EPSC-KIT1	1 – 2-part Sealant, PowerPatch Slow Cure Adhesive Part A and B (350 grams total) 3 – Type RP Cleaning and Preparation Wipes 1 – 12” (30.5 cm) Strip Sanding Cloth; 4 – Mixing Sticks 1 – Pair Disposable Gloves; 1 – Instruction Sheet	1
EP-STICK4	1 – 4 oz (7”/18 cm) Putty Stick	12
EPCT-250KIT1	1 – 250 mL EPCT-250 Cartridge; 3 – Static Mixers; 3 – Application Sticks 2 – 1 oz (4 cm) Putty Sticks 1 – 24” (61 cm) Sanding Cloth 6 – Type RP™ Cleaning Wipes (cat # RP-1L) 3 – Pair of Gloves 1 – Instruction Sheet	1
EPCT-250KITB6	1 – Box with 6 EPCT-250KIT1	1
TOOL-250	1 – High-Ratio Caulking Tool for EPCT-250	1



Completed repair with Polywater PowerPatch.

## SPECIFICATIONS AND APPLICATIONS

- **Electrical Reliability:** Moisture can damage transformers. Sealing leaks as quickly as possible is key to keeping moisture from entering transformers and causing premature or catastrophic failure.
- **Chemical Resistance:** Sealant chemically resists dielectric fluids, SF<sub>6</sub> gas, ultraviolet light, water, and oil.
- **Leak Sealing Performance:** Sealant shows good adhesion to numerous metals, ceramics, and rubbers; and no leakage under high pressure (up to 0.7 MPa) with both air and polybutene oil.
- **Electrical Testing:** Platen samples are cast and fully cured. Sealant is nonconductive. Dielectric strength is 43 kV using ASTM D149, Method A.

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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 a product's use, regardless of the legal theory asserted.

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Solutions at work.

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