



Polywater[®]

Solutions at work.

Global
Product
Catalogue





Polywater



Solutions at work.

We help companies in the electrical and communications industries solve specific, field-based infrastructure problems. Collaborating. Digging deeper. All to find the right solution, from the start.



Behind the scenes and in the field.

Whether it is new construction, infrastructure upgrades, or grid and network maintenance, companies have relied on us for more than a product solution. Unlike other specialty-chemical manufacturers, Polywater provides:



Extensive
Industry
Knowledge



Unmatched
Technical
Expertise



Exceptional
Planning
Resources



Superior
Specialty-Chemical
Products

It is the access to this **total support** of resources—from products to customer care—that has helped companies build and maintain more reliable systems, reduce costs, protect and maximize the life of critical assets, and support their safety and sustainability goals.

LUBRICANTS

SEALANTS & ADHESIVES

CLEANERS

SPECIALTY

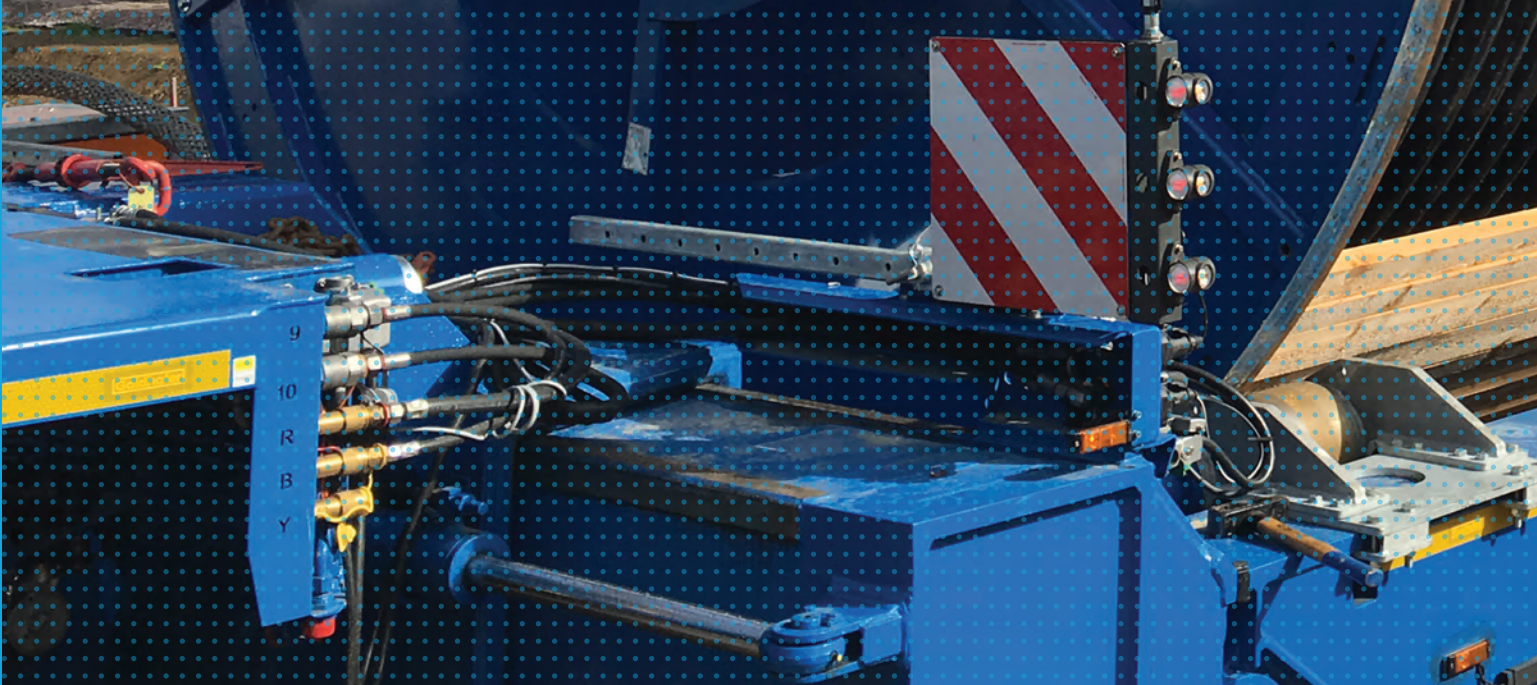
Polywater[®]

Solutions at work.



Lubricants

In 1974, we revolutionized cable pulling with our line of innovative, water-based lubricants. Since then, we've continued to innovate, creating lubricants for every type of wire and cable imaginable and by making the planning of large-scale cable pulls smarter with the Polywater[®] Pull-Planner[™] Software.





Polywater Lubricants:

- Greatly Reduce Friction
- Help Achieve Longer Pulls
- Lower Sidewall Pressures and Ending Tensions
- Minimize Cable Damage
- Are Safe for Workers and the Environment



Polywater®

LZ Lubricant

UNIVERSAL CABLE PULLING LUBRICANT



Can be used with the Polywater® LP-D5 drill-powered pump

Provides High-Performing Friction Reduction and Combustion Resistance That Works with All Cable Jacket Materials

FEATURES AND BENEFITS

- **LOW FRICTION COEFFICIENT**
Low tensions reduce risk of cable damage to ensure long-term integrity of cable networks
- **COMPATIBLE**
Suitable on all cable jacket materials including LSZH/LSHF, CPE and CSPE
- **SPECIFICATION GRADE**
Meets performance requirements in power and industrial plants, high-traffic areas, and data centers
- **SAFE**
Will not cause deterioration of CSPE fire-retardant cables
- **ENDORSED**
Tested and approved by global cable manufacturers

DESIGNED FOR USE IN:



ELECTRICAL



COMMUNICATIONS



A Lubricant for all Cable Materials and Applications

Polywater® LZ Lubricant offers proven compatibility with all cable and duct materials, superior combustion resistance, and an inherently low coefficient of friction. Polywater LZ should be specified for installations of LSZH/LSHF cable in ducts and where fire propagation is a concern.



CATALOG #	PACKAGE DESCRIPTION	UNITS/CASE
LZ-35/WLZ-35	0.95 L (1 qt) Bottle	12
LZ-55/WLZ-55	1.9 L (½ gal) Front End Pack™ in a Carton	6
LZ-110/WLZ-110	1.9 L (½ gal) Front End Pack™ in a Pail	10
LZ-128/WLZ-128	3.8 L (1 gal) Pail	4
LZ-640/WLZ-640	18.9 L (5 gal) Pail	1
LZ-DRUM/WLZ-DRUM	208 L (55 gal) Drum	1

W in the catalog number indicates Winter Grade version.



SPECIFICATIONS AND APPLICATIONS

- **Cable Compatibility:** Passes IEEE 1210 physical and electrical testing. Does not stress crack polyethylene. UL and ULc listed.
- **Friction Testing:** Offers low coefficients of friction on a wide range of cable jacket and duct materials for superior friction reduction.
- **Physical Properties:** Dries slippery. Contains no waxes or grease. Will not cement cables to conduit.
- **Applications:** Long installations with many bends where superior friction reduction is critical; data and communications centers or high-occupancy areas where LSZH cables and other fire-critical materials are used.
- **Temperature Use Range:** Polywater LZ: -5°C to 50°C (20°F to 120°F). Winter Grade Polywater WLZ: -30°C to 50°C (-20°F to 120°F).



Polywater®

J Lubricant

WATER-BASED GEL PULLING LUBRICANT



Can be used with the Polywater® LP-D5 drill-powered pump

Proven High-Performance Cable Lubricant for Heavy Cable Installations

FEATURES AND BENEFITS

- **MAXIMUM FRICTION REDUCTION**
For low cable pulling tensions
- **CLEAN AND NON-STAINING**
Short clean-up time without damage to clothes and tools
- **FIELD-FRIENDLY APPLICATION**
Can be pumped, hand applied, or deployed with a Front End Pack™
- **HIGH CLING FACTOR**
Remains on cable jacket throughout the installation
- **UL/ULc CERTIFICATION**
Certified by independent 3rd-party laboratory



DESIGNED FOR USE IN:



ELECTRICAL



COMMUNICATIONS

The Most Used and Specified Cable Lubricant

Polywater® J Lubricant is a high-performance, clean, slow-drying, water-based gel lubricant that provides maximum tension reduction in all types of cable pulling. It is recommended for long pulls, multiple-bend pulls, and pulls in a hot environment.



CATALOG #	PACKAGE DESCRIPTION	UNITS/CASE
J-35 / WJ-35	0.95 L (1 qt) Bottle	12
J-27 / WJ-27	0.95 L (1 qt) Front End Pack™ in a Carton	12
J-99 / WJ-99	0.95 L (1 qt) Front End Pack™ in a Pail	16
J-55 / WJ-55	1.9 L (½ gal) Front End Pack™ in a Carton	6
J-110 / WJ-110	1.9 L (½ gal) Front End Pack™ in a Pail	10
J-128 / WJ-128	3.8 L (1 gal) Pail	4
J-640 / WJ-640	18.9 L (5 gal) Pail	1
J-DRUM / WJ-DRUM	208 L (55 gal) Drum	1

W in the catalog number indicates Winter Grade version.



Front End Pack™



Packages for different installation environments

SPECIFICATIONS AND APPLICATIONS

- **Cable Compatibility:** Passes IEEE 1210 physical and electrical testing on a wide variety of cable materials. It does not stress crack polyethylene. Refer to the technical bulletin for details. UL and ULc listed.
- **Friction Testing:** Shows excellent lubricity on a variety of cable jacket types. Using PVC conduit, the following COFs were measured: PVC .11, XLPE .11, LLDPE .11, HDPE .09, THHN .13, XHHW .11. Method described in "Coefficient of Friction Measurement on Polywater's Friction Table, 2019". Typical values determined using 290 kgs/m normal force.
- **Formula:** Contains no wax, grease, or silicone.
- **Temperature Use Range:** Regular Polywater J: -5°C to 50°C (20°F to 120°F). Winter Grade Polywater WJ: -30°C to 50°C (-20°F to 120°F).

Polywater[®]

+ Silicone[™] Lubricant

SILICONE ENHANCED CABLE PULLING LUBRICANT



For Installing Heavy Transmission Cable, Pulling Through Water, and Lubricating High-Density Polyethylene (HDPE) Conduit Systems



FEATURES AND BENEFITS

- HEAVY PULLS**
 Best lubricant for heavy, rigid underground distribution and transmission cables
- WATER RESISTANT**
 Does not wash off and reduces tension even when pulling through water
- VERY LOW FRICTION**
 Consistently low friction/cable tension in HDPE and PVC pipe
- NON-FREEZING FORMULA**
 Polywater + Silicone Type WNN is used in sub-freezing cable installations

DESIGNED FOR USE IN:



ELECTRICAL



COMMUNICATIONS

The Longest Cable Pulls Made Simple

Polywater + Silicone Lubricant provides superior friction reduction in the most difficult and longest pulls. It is available in Regular and Winter Grade versions. It is slow drying and leaves a thin, slippery film that retains its slip for months after installation.



CATALOG #	PACKAGE DESCRIPTION	UNITS/CASE
NN-128 / WNN-128	3.8 L (1 gal) Jug	4
NN-320 / NA	9.5 L (2½ gal) Jug	2
NN-640 / WNN-640	18.9 L (5 gal) Pail	1
NN-DRUM / WNN-DRUM	208 L (55 gal) Drum	1

W in the catalog number indicates Winter Grade version.



Consider using the Polywater LP-D5 drill-powered pump to make application easier for long-distance cable installations

SPECIFICATIONS AND APPLICATIONS

- **Cable Compatibility:** Passes IEEE 1210 physical and electrical testing on a wide variety of cable materials. Cable manufacturer approvals available upon request.
- **Friction Testing:** Shows excellent lubricity on a variety of cable jacket types. Using HDPE conduit, the following COFs were measured: LLDPE .05, PVC .08, XLPE .07, CPE .08, PP .07. Method described in “Coefficient of Friction Measurement on Polywater’s Friction Table, 2019.” Typical values determined using 2.91 kN/m (200 lbf./ft.) normal force.
- **Coatability:** Polywater + Silicone NN will wet out evenly on cable jacket surfaces. Using the test procedure GR-356-CORE, Section 4.2.5, a cable was subjected to 5 separate pulling cycles through a water-filled duct and the COF was measured showing excellent friction reduction and lubricant adherence to the cable.
- **Temperature Use Range:** Regular Polywater NN: -5°C to 50°C (20°F to 120°F). Winter Grade Polywater WNN: -30°C to 50°C (-20°F to 120°F).

TRANSPARENT WATER-BASED GEL LUBRICANT



Clear, Clean, Easy-to-Apply
Cable Pulling Lubricant
for Daily Use

FEATURES AND BENEFITS

- **CLEAN**
Wipes off easily so wire markers stick
- **NON-STAINING**
Will not stain clothing, carpet, or sheetrock
- **SAFE**
Non-toxic and biodegradable water-based lubricant
- **CLINGS TO CABLE**
Easy to apply by hand or squeeze onto the cable
- **UL/ULc LISTED**
Meets test criteria

DESIGNED FOR USE IN:



ELECTRICAL



COMMUNICATIONS



Suitable for All Types of Cable Installations

Polywater® CLR is a clear, slow-drying, thick gel lubricant that was developed for easy handling and application for all types of wire and cable installations. From electrical service work to data applications, it provides a clean and easy way to finish projects.



CATALOG #	PACKAGE DESCRIPTION	UNITS/CASE
CLR-35	0.95 L (1 qt) Bottle	12
CLR-128	3.8 L (1 gal) Pail	4
CLR-640	18.9 L (5 gal) Pail	1



SPECIFICATIONS AND APPLICATIONS

- **Cable Compatibility:** Passes IEEE 1210 physical and electrical testing on a wide variety of cable materials. It does not stress crack polyethylene.
- **Physical Properties:** Dries slippery. Unlike wax lubes, it leaves little residue and will not cement cables to conduit. Contains no wax, grease, or silicone.
- **Temperature Use Range:** -5°C to 50°C (20°F to 120°F).
- **Temperature Stability:** No phase-out after five freeze/thaw cycles or 5-day exposure at 50°C (120°F).



Polywater[®]

Dyna-Blue[®]

THICK WATER-BASED GEL LUBRICANT



The Best Lubricant
Choice for Manual
Application



DESIGNED FOR USE IN:



ELECTRICAL

FEATURES AND BENEFITS

- **SAFE**
Non-staining gel lubricant. Will not stain clothing, carpet, or sheetrock
- **EASY TO USE**
Can be applied by hand, stays in place
- **HIGH CLING FACTOR**
Stays on wires during vertical application
- **TEMPERATURE STABLE**
No ruined lubricant from freeze/thaw exposure
- **WIPE CLEAN AND DRY**
Wire markers stick to cable jackets

Terrific for Vertical Applications

Polywater® Dyna-Blue® thick gel lubricant is clean, dries slippery, and won't separate out. It has a high cling factor for easy handling and application, and is compatible with common electrical cables. A good choice for everyday use when installing THHN, XHHW, and fire alarm cables.



CATALOG #	PACKAGE DESCRIPTION	UNITS/CASE
D-35	0.95 L (1 qt) Bottle	12
D-128	3.8 L (1 gal) Pail	4
D-640	18.9 L (5 gal) Pail	1
D-DRUM	208 L (55 gal) Drum	1

Polywater Dyna-Blue Lubricant is not recommended for LSZH/LSHF and certain CSPE and CPE cable jackets. For these jacket types, Polywater® LZ is the recommended/approved product.

Polywater Dyna-Blue can also be pumped using the LP-D5 drill-powered pump.



SPECIFICATIONS AND APPLICATIONS

- **Cable Compatibility:** Passes IEEE 1210 physical and electrical testing on a wide variety of cable materials. It does not stress crack polyethylene. UL and ULc listed.
- **Physical Properties:** Dries slippery. Unlike wax lubes, it leaves little residue and will not cement cables to conduit. Contains no wax, grease, or silicone.
- **Temperature Use Range:** -5°C to 50°C (20°F to 120°F).
- **Temperature Stability:** No phase-out after five freeze/thaw cycles or 5-day exposure at 50°C (120°F).

THIN FILM POLYMER LUBRICANT



For larger applications, SPY can be sprayed with an air-pressurized industrial sprayer

Sprayable Liquid Lubricant for Pulling or Pushing Cable

FEATURES AND BENEFITS

- **LOWERS TENSION**
Reduces friction on all types of cable, including pre-lubricated versions
- **THIN FILM TECHNOLOGY**
Formulated to cling and coat cables and wires during long pulls
- **ZERO MESS**
Dries quickly and leaves zero mess at end of receiving side of the pull, unlike traditional wax and gel pulling lubricants
- **EASY TO APPLY**
Can be sprayed from pressurized sprayer or hand-trigger sprayer
- **UL/ULc LISTED**
Meets US and Canadian test standards

DESIGNED FOR USE IN:



ELECTRICAL



Application Made Easier

Polywater® SPY™ Lubricant can be sprayed into the duct or wiped on the cable in a thin film. Its unique chemistry applies thin as it is sprayed or wiped, but once on the cable or conduit surface, thickens to stay coated. Use for a quick and easy application with zero mess. Excellent for underground cable installations where automated or spray application is preferred.



CATALOG #	PACKAGE DESCRIPTION	UNITS/CASE
SPY-D20/ WSPY-D20	20-Count Dispenser of 13 cm x 20 cm (5" x 8") Premoistened Wipes	12
SPY-35LR/ WSPY-35LR	0.95 L (1 qt) Bottle	12
SPY-128	3.8 L (1 gal) Jug	4
SPY-640/ WSPY-640	18.9 L (5 gal) Pail	1

W in the catalog number indicates Winter Grade version.



SPECIFICATIONS AND APPLICATIONS

- **Cable Compatibility:** Passes IEEE 1210 physical and electrical testing on a wide variety of cable materials. It does not stress crack polyethylene. Refer to the technical bulletin for details. UL and ULc listed.
- **Friction Testing:** Shows excellent lubricity on a variety of cable jacket types. Using PVC conduit, the following COFs were measured: PVC .11, XLPE .06, LLDPE .07, THHN .08, XHHW .06. Method described in "Coefficient of Friction Measurement on Polywater's Friction Table, 2019". Typical values determined using 2.91 kN/m normal force.
- **Formula:** Contains no waxes or greases.
- **Temperature Use Range:** Polywater SPY: -5°C to 50°C (20°F to 120°F). Polywater WSPY (Winter Grade version): -30°C to 50°C (-20°F to 120°F).

Polywater®

PJ Lubricant

POURABLE COMPLEX-POLYMER PULLING LUBRICANT



Pourable High-Performance Cable Pulling Lubricant for Electrical, Communications, and Industrial Use

FEATURES AND BENEFITS

- **NO MESS**
Pour or pump lubricant directly into the duct
- **LOW VISCOSITY**
Makes pouring lubricant cleaner, faster, and easier
- **EASY TO PUMP**
Ensures proper lubrication during longer pulls
- **COLD WEATHER FORMULA**
Lubricant can be used for year-round cable installations
- **QUANTITY**
Use 3.8 L (1 gal) of lubricant per 30.5 m (100 ft) of cable installed

DESIGNED FOR USE IN:



ELECTRICAL



COMMUNICATIONS



Field-Friendly Packaging—No More Handling the Lubricant

Polywater® PJ Lubricant offers the same high-performance factors, such as high lubricity and lower cable tensions, as the heavy duty Polywater® J Lubricant. Polywater PJ is the best choice for installations where pouring or pumping are more efficient methods of lubricant application. Available in two grades: Regular and Winter Grade, for use in temperatures as low as -30°C (-20°F).



CATALOG #	PACKAGE DESCRIPTION	UNITS/CASE
PJ-128 / WPJ-128	3.8 L (1 gal) Jug	4
PJ-320 / WPJ-320	9.6 L (2½ gal) Jug	2
PJ-640 / WPJ-640	18.9 L (5 gal) Pail	1
PJ-DRUM / WPJ-DRUM	208 L (55 gal) Drum	1

W in the catalog number indicates Winter Grade version.



Polywater PJ Lubricant can be used with the Polywater® LP-D5 drill-powered pump

SPECIFICATIONS AND APPLICATIONS

- **Cable Compatibility:** Passes IEEE 1210 physical and electrical testing on a wide variety of cable materials. It does not stress crack polyethylene. Refer to the technical bulletin for details.
- **Friction Testing:** Shows excellent lubricity on a variety of cable jacket types. Using PVC conduit, the following COFs were measured: PVC .11, XLPE .12, LLDPE .15.
- **Physical Properties:** Dries slippery. It leaves little residue and won't cement cables into conduit.
- **Temperature Stability:** PJ is stable and will not separate after exposure to high heat or freezing.
- **Temperature Use Range:** Regular Polywater PJ: -5°C to 50°C (20°F to 120°F). Winter Grade Polywater WPJ: -30°C to 50°C (-20°F to 120°F).

Polywater®

F Lubricant

POURABLE WATER-BASED LUBRICANT



Ideal for Pulling Fiber Optic and Other Communications Cable

FEATURES AND BENEFITS

- **POURABLE**
Can be poured into upturned innerducts and feeder tubes
- **HIGH PERFORMANCE**
Superior friction reduction for lower tension and/or longer pulls
- **CLINGS**
Wets out and coats PE cable jackets, while evenly lubricating at all points of a cable run
- **SLOW DRYING**
Leaves a slippery film for lasting lubrication
- **COMPATIBLE WITH CABLE JACKETS**
Avoid weakened or cracked cable jackets

DESIGNED FOR USE IN:



COMMUNICATIONS



Pourable, High-Performing Friction Reduction on Longer Pulls

Polywater® F Lubricant is ideal for pulling underground fiber optic cable, coaxial, and copper-pair cable, where lower tension is required. It is available in two grades: Regular Grade F and Winter Grade WF for cold weather use in temperatures as low as -30°C (-20°F).



CATALOG #	PACKAGE DESCRIPTION	UNITS/CASE
F-35 / WF-35	0.95 L (1 qt) Bottle	12
F-128 / WF-128	3.8 L (1 gal) Pail	4
F-320 / WF-320	9.6 L (2½ gal) Jug	2
F-640 / WF-640	18.9 L (5 gal) Pail	1
F-DRUM / WF-DRUM	208 L (55 gal) Drum	1

W in the catalog number indicates Winter Grade version.



Can be used with the Polywater® LP-D5 drill-powered pump



SPECIFICATIONS AND APPLICATIONS

- **Lubricity:** LDPE-, MDPE-, and HDPE-jacketed cable on HDPE and PVC innerduct at 2.91 kN/m (200 lbs./ft) sidewall pressure, coefficient of kinetic friction <0.12.
- **Appearance:** Transparent to slightly opaque, orange-colored, stringy liquid material.
- **Temperature Stability:** No more than a 20% change in Brookfield viscosity from 5°C to 40°C (40°F to 100°F). No phase-out after five freeze/thaw cycles or 5-day exposure at 60°C (140°F).
- **Cable Compatibility:** No deleterious effects on physical or electrical properties of cable jackets.
- **Polyethylene Stress Cracking:** No stress cracking on LDPE cable jackets when tested by ASTM D1693.
- **Flammability:** Lubricant has no flash point and dried residue is not combustible.
- **Temperature Use Range:** Regular Polywater F: -5°C to 60°C (20°F to 140°F); Winter Grade Polywater F: -30°C to 60°C (-20°F to 140°F).

Polywater[®]

FTTx Lubricant

THIN SILICONE-ENHANCED LUBRICANT



For larger applications, FTTx can be sprayed with an air-pressurized industrial sprayer

Quick-Drying, No-Mess, Sprayable Lubricant that Lowers Tension in Fiber Drops and Data Cable Pulls



FEATURES AND BENEFITS

- **ZERO MESS**
Leaves no mess at the receiving end of the pull, unlike traditional wax and gel pulling lubricants
- **QUICK DRYING**
Ultra-thin coating levels reduce friction even when dry
- **LOW-FRICTION RESIDUE**
Microscopic residue lowers tension cleanly and efficiently
- **EASY TO USE**
Spray or wipe application helps keep a clean workspace
- **COMPATIBLE**
Suitable for a variety of cable jacket types

DESIGNED FOR USE IN:



COMMUNICATIONS

Friction Reduction Without the Mess

Polywater® FTTx is a high-performing lubricant designed specifically for communication cable installations. It is available in several unique packages for your preference: a refillable quart spray bottle, jugs, pails, and lubricant saturated wipes.



CATALOG #	PACKAGE DESCRIPTION	UNITS/CASE
FTTx-D20	20-Count Dispenser of 13 cm x 20 cm (5" x 8") Premoistened Wipes	12
FTTx-35LR	0.95 L (1 qt) Bottle with Sprayer	12
FTTx-128	3.8 L (1 gal) Jug	4
FTTx-640	18.9 L (5 gal) Pail	1



SPECIFICATIONS AND APPLICATIONS

- **Viscosity:** 250-750 cps @ 10 rpm.
- **Combustibility:** FTTx has no flash point and dried residue is non-flammable.
- **Wetting—Continuous Coat:** FTTx will wet out evenly on cable jacket surfaces. It will not bead up or rub off of the cable jacket.
- **High-Performance Data Cables:** FTTx has a minimal effect on the data-carrying capacity of high-speed Cat. 5E, 6, and 6A copper cable. As a “thin-film” lubricant, FTTx prevents cable signal attenuation caused by gels.
- **Cable Compatibility:** Conforms to the physical and performance requirements of Telcordia Standard TR-NWT-002811, generic requirements for cable pulling lubricants.



FIBER OPTIC CABLE BLOWING LUBRICANT



Increases Installation Distance When Blowing Fiber Optic Cable and Microducts



FEATURES AND BENEFITS

- **REDUCES FRICTION**
Increases installation distance
- **EASY TO USE**
Simply squeeze into duct before blowing fiber optic cable
- **TESTED AND APPROVED**
Endorsed and recommended by most blowing equipment manufacturers for reliable, cost-effective operation of equipment
- **WINTER GRADE AVAILABLE**
For use in sub-freezing temperatures
- **COMPATIBLE WITH CABLE JACKETS**
Avoid weakened or cracked fiber optic jackets

DESIGNED FOR USE IN:



COMMUNICATIONS

Long-Distance Fiber Optic Cable Installation

Polywater® Prelube 2000™ can be used in both high-speed air blowing or push-pull/piston systems. By reducing frictional drag during the blowing (jetting) of outside plant fiber optic cable into ducts you can maximize installation distances. Longer distances reduce the number of equipment setups and the associated labor, minimizing the cost per meter of installed cable.



CATALOG #	PACKAGE DESCRIPTION	UNITS/CASE
P-35 / WP-35	0.95 L (1 qt) Bottle	12
P-128 / WP-128	3.8 L (1 gal) Jug	4
P-640 / WP-640	18.9 L (5 gal) Pail	1

W in the catalog number indicates Winter Grade version.



SPECIFICATIONS AND APPLICATIONS

- **Cable Compatibility:** Passes all compatibility tests for PE jacketed cables.
- **Cost Effectiveness:** Prelube 2000 offers significant cost savings over “factory-lubricated” duct. In high-quality HDPE duct, it lubricates efficiently at coating levels of 0.5 mg/cm² of duct surface. At these levels, the lubricant cost for 3.2 cm (1.25”) duct is approximately \$6 per kilometer (\$2 per 1,000 feet), much lower than the additional cost for the factory-lubricated duct.
- **Safe:** Prelube 2000 is non-hazardous.

Polywater®

Prelube 5000™

MICROCABLE BLOWING LUBRICANT



Increases Installation Distance When Blowing Fiber Optic Microcables



FEATURES AND BENEFITS

- **REDUCES FRICTION**
Increases blowing distance
- **LOW COATING LEVELS**
Coats further and more effectively than conventional blowing lubricants at extremely low coating levels
- **EASY TO USE**
Simply squeeze into small diameter microducts before blowing fiber optic cable
- **TESTED AND APPROVED**
Endorsed and recommended by most blowing equipment manufacturers for reliable, cost-effective operation of equipment
- **COMPATIBLE WITH CABLE JACKETS**
Avoid weakened or cracked fiber optic jackets

DESIGNED FOR USE IN:



COMMUNICATIONS

Blowing Lubricant for Air-Assisted Installation of Fiber

Polywater® Prelube 5000™ is formulated exclusively for reducing frictional drag during the blowing of small diameter fiber optic microcable into microtube duct. It increases installation distance of cable in a single shot. The chemistry allows this product to spread farther and reduce friction at extremely low coating levels. The lower viscosity allows practical application into the microtubes.



CATALOG #	PACKAGE DESCRIPTION	UNITS/CASE
PM-8	240 ml (8 fl oz) Squeeze Bottle	6
PM-16*	470 ml (16 fl oz) Squeeze Bottle	15

*AVAILABLE ONLY IN EUROPE AND MIDDLE EAST



SPECIFICATIONS AND APPLICATIONS

- **Cable Compatibility:** Passes all compatibility tests for PE jacketed cables. It is compatible with known microcable plastic jackets. However, it should not be used for resin-coated fiber cables.
- **Cost Effectiveness:** Prelube 5000 is also extremely efficient and cost effective. It lubricates at coating levels as low as 0.05 mg/cm² of the tubing's interior surface. At these levels, the lubricant cost is \$0.60 to \$2.20 per kilometer (\$0.20 to \$0.75 per 1,000 feet), depending on microtube size.
- **Safe:** Prelube 5000 is non-hazardous.

DRILL-POWERED LUBRICANT PUMP



Drill not included

A Clean, Efficient Way to Pump Cable Pulling Lubricant from Pails and Drums

FEATURES AND BENEFITS

- CLEAN**
 Eliminates hand scooping, messy pouring, and lengthy clean-ups
- EFFICIENT**
 Provides consistent lubrication with less effort when pulling cable
- ADJUSTABLE**
 Works with a variable-speed drill (not included) to pump at appropriate rate based on cable size and pulling speed
- VERSATILE**
 Lubricants can be pumped into vertical or horizontal conduits
- DURABLE & CORROSION RESISTANT**
 Solid brass body with stainless steel shaft is not affected by water-based lubricants

DESIGNED FOR USE IN:



ELECTRICAL



COMMUNICATIONS

Makes Cable Lubrication Clean and Efficient

Polywater® LP-D5 Lubricant Pump is a ½-inch drill-operated, self-priming gear pump. It is able to pump all varieties of Polywater lubricants directly into the conduit or onto the cable at rates exceeding 3.3 L per minute. Includes two sizes of hands-free applicators that help guide the cable(s) into conduits to reduce the possibility of damage.



CATALOG #	PACKAGE DESCRIPTION	UNITS/CASE
LP-D5	Drill-powered lubricant pump *Drill not included	1

The package contains the pump and tube, 4.7 m (10 foot) discharge hose, an additional extension tube for 208 L (55 gallon) drums, and the two lubricant applicators.



SPECIFICATIONS AND APPLICATIONS

- Operation:** For use on 208 L drum and 18.9 L pail, open pail or drum. With drum, untie and open liner, then replace drum cover. Set LP-D5 pump in 5 gallon pail or into the 2 inch bung hole of a 208 L drum. Attach variable-speed drill to LP-D5. Insert free end of hose into conduit opening, pail, or jug. Set drill to OPERATE IN FORWARD. Start drill to pump lubricant until it is visible at hose end. If installing cable, start pulling cable and start variable-speed ½-inch drill to pump lubricant at desired flow rate.
- Cleaning:** Pump clean tap water through LP-D5 pump until water discharge is clear. Let pump sit for 15 minutes. Run pump again with clean tap water to remove any remaining lubricant. Repeat the process as necessary. Wipe off pump and applicator. Protect from dirt with bag or other cover.



Polywater®

CableFree® Loosener

CABLE REMOVAL AID



Dispensing CableFree with compressed air

Safe and Cost-Effective Duct Reclamation



DESIGNED FOR USE IN:



ELECTRICAL



COMMUNICATIONS

FEATURES AND BENEFITS

- **LOOSENS**
Releases cables stuck in ducts
- **DISSOLVES**
Softens a wide variety of binding materials
- **LUBRICATES**
Eases the removal of cables
- **SAVES**
Minimizes damage and duct reclamation costs
- **EFFICIENT**
Creates space in duct for new cable placement

Reclaim Over-Filled Ducts

Polywater® CableFree® Loosener dissolves wax, rust, soap, and other adhesive residues to make removal of unused cables in ducts easy and effective. Removal of unused cables helps to free space in existing ducts for installation of new fiber optic or electrical cables.



CATALOG #	PACKAGE DESCRIPTION	UNITS/CASE
CF-35	0.95 L (1 qt) Bottle	12
CF-128	3.8 L (1 gal) Jug	4
CF-640	18.9 L (5 gal) Pail	1



SPECIFICATIONS AND APPLICATIONS

- **Remove Abandoned Circuits:** Make room for new cable installations.
- **Dissolve old-style lubricants:** Soften old-style wax or petroleum-based lubricants hardened over time.
- **Recycle Copper:** Generate revenue from abandoned copper cables.
- **Reuse Overfilled Ducts:** Reduce circuit expansion cost using reclaimed ducts.



Polywater[®]

Type P7[™]

SPRAYABLE PENETRATING OIL



Multi-Functional Penetrating Oil Suitable for Many Electrical, Telecommunication, and Industrial Uses

FEATURES AND BENEFITS

- **PROTECTS**
Extends equipment life by providing a protective film
- **DISPLACES WATER**
Seals out moisture and dries out ignitions
- **PENETRATES**
Loosens stuck metal parts and apparatus
- **SAFE**
Harmless to most plastics and safe on metal, paint, and rubber
- **NON-CONDUCTIVE**
Leaves a protective film that is non-conductive



DESIGNED FOR USE IN:

- ELECTRICAL**
- COMMUNICATIONS**

One Product for Multiple Jobs

Polywater® Type P7™ is ideal for pole line hardware, transformers, connectors, circuit breakers, controls, chucks, relays, communication assemblies, motors, starters, cabinets, enclosures, maintaining substations, wind farms, solar arrays, and DOT apparatus.



CATALOG #	PACKAGE DESCRIPTION	UNITS/CASE
P7-12*	475 ml (16 oz) Aerosol Can	12

Polywater Type P7 works four ways: as a moisture displacer, rust preventative, lubricant, and penetrating oil. Eliminate the need to carry multiple products for separate tasks. With Type P7 you can prevent electrical disruption caused by moisture penetration. Restore electrical systems or equipment damaged by water ingress. Quickly loosen stuck or frozen parts. Maintain and lubricate equipment and motors.

*NOT AVAILABLE IN EUROPE AND MIDDLE EAST

SPECIFICATIONS AND APPLICATIONS



- Properties:** Flash Point (ASTM D93) 38°C/100°F, Initial Boiling Point 118°C/245°F, Specific Gravity 0.69, Dielectric Strength (ASTM D877) 13 kV, USDA Approved.
- Compatibility:** P7 Multipurpose Oil is compatible with most plastics and elastomers. Testing is based on a soak test described in ASTM D 543. P7 Oil will temporarily affect some rubber compounds, but they should return to their original state after the solvent carrier has dried. It is recommended that all plastic parts, gaskets, seals, and O-rings be tested for specific use and exposure method.
- Water Displacement:** P7 Multipurpose Oil displaces moisture and dries out ignitions. It creeps under water and ice, dissolving and carrying away these contaminants. A non-conductive, protective film is left behind. P7 Oil displaces water according to the procedure described in Mil-Spec C-16173E. No rusting or mottling was observed on the treated surface.





Makes the Planning of Complex, Large-Scale Cable Pulling Designs Smoother and More Efficient

FEATURES AND BENEFITS

- INTUITIVE OPERATION**
 User-friendly menus and control buttons improve experience over previous versions
- CUSTOMIZED DATABASE**
 Unlimited number of cables can be logged in easy-to-use database
- MINIMIZE RISK**
 Provides coefficient of friction (COF) guidance to reduce risks during cable pulls
- FLEXIBLE**
 Allows for push/pull, variable friction, roller use, pull reversal, back calculation of COF, and more
- UNIVERSAL**
 Runs metric or English units

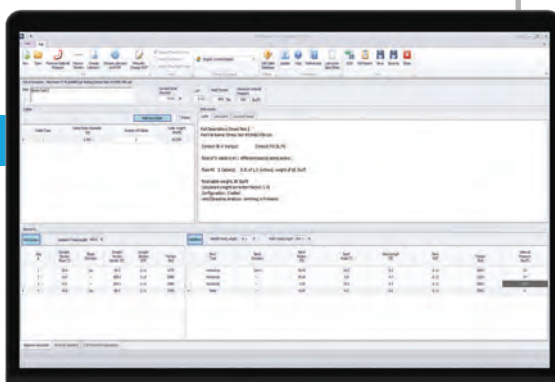
DESIGNED FOR USE IN:



ELECTRICAL



COMMUNICATIONS

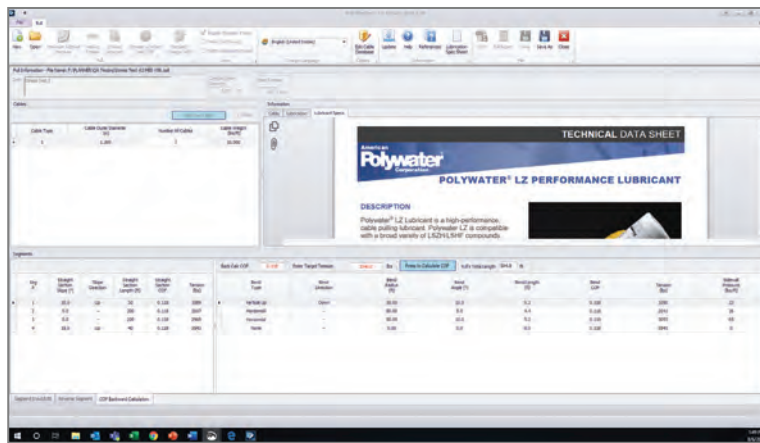


Confidently and Accurately Achieve Longer Pulls

Polywater® Pull-Planner™ 4.0 for Windows® utilizes industry standards to calculate maximum cable pulling tension and sidewall pressure around bends. The application helps you save time and money by verifying calculations, minimizing splices and vaults, pulling set-ups, planning for future system upgrades, and reducing the chances of cable damage. An excellent resource for cable system specification and planning conduit systems prior to the pull.

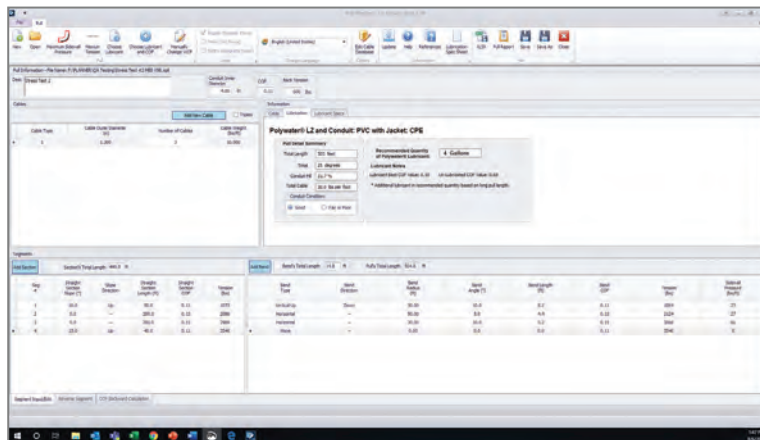


CATALOG #	PACKAGE DESCRIPTION	UNITS/CASE
PP-40	Internet Download	1



SPECIFICATIONS AND APPLICATIONS

- Available in four languages: English, Spanish, German, and French
- Accessible as an internet download
- Operates on standard Windows® and allows for data transfer to Excel for printing, saving, and documenting
- Installation consumes 125 megabytes of hard drive space
- Pull-Planner 4.0 accepts pull and cable data saved under previous Pull-Planner software versions



Polywater[®]
Solutions at work.



Sealants and Adhesives

Polywater makes a number of innovative specialty adhesives and sealants used in electrical, communications, and oil/gas construction and maintenance.





Polywater Sealants and Adhesives:

- Increase Infrastructure Reliability
- Extend the Life of Critical Assets
- Harden Systems Against Storm Damage
- Prevent Service Outages
- Protect Conduit and Raceway Systems
- Provide an Option to Repair vs. Replace
- Field and User Friendly
- Reduce Maintenance Costs

Polywater®

FST™ Family

CLOSED-CELL FOAM DUCT SEALANT



Durable and Reliable
Sealing of Conduits
and Risers from
Moisture, Gases,
and Pests



DESIGNED FOR USE IN:



ELECTRICAL



COMMUNICATIONS

FEATURES AND BENEFITS

- MEETS SAFETY REQUIREMENTS**
 Creates safe air/watertight seals and is fire retardant—meeting most countries' electrical codes
- RELIABLE**
 Holds 6.7 m (22 ft) of water head pressure and up to 27 m (90 ft) surges
- VERSATILE**
 Can seal conduits of all sizes and is re-enterable
- COMPATIBLE**
 Use with a wide range of cable jacket and conduit materials
- SOLVES CRITICAL APPLICATION**
 Class 1, Div 2 locations and areas subject to temperature variations

Protects Conduit and Raceway Systems

Polywater® FST™ Foam Sealant provides a superior pressure-blocking barrier in the toughest environments. It stops water, methane, and other gases to keep electrical systems and underground cable networks intact. It is durable, chemically resistant, and has excellent adhesion properties. Available in a variety of easy-to-install, field-ready kits.



CATALOG #	PACKAGE DESCRIPTION	UNITS/CASE
FST-250KIT1	Kit Includes: 1 – 250 ml FST Cartridge (cat# FST-250); 3 – Mixing Nozzles (cat# MXR-30T-10); 4 – 61 cm Foam Damming Strips (cat# FST-DAM); 1 – 30.5 cm Sanding Cloth; 1 – Pair of Gloves; 1 – Positioning Rod for Foam Dam; 1 – Pre-treating Wipe (cat# HP-P158ID); 1 – Resealing Cap; 1 – Instruction Sheet TOOL-250 NOT INCLUDED. SOLD SEPARATELY.	1
FST-250KIT	Same as kit above in a box of 6	6
FST-250	1 – 250 ml FST Cartridge; 1 – Mixing Nozzle; 1 – Resealing Cap	12
MXR-30T-10	10 Pack of Mixing Nozzles for FST-250	1
TOOL-250	1 – High-ratio Caulking Tool for FST-250	1
FST-DAM	1 – 61 cm Foam Damming Strip	24
FST-MINI-1	Kit Includes: 1 – 50 ml FST Cartridge; 2 – Mixing Nozzles (cat# MXR-20T-10); 6 – Foam Discs; 2 – Pairs of Gloves; 1 – Instruction Sheet	1
FST-MINI-B6	6 – FST-MINI-1	1
TOOL-50-11	1 – Dispensing Tool for FST MINI	1
MXR-20T-10	10 Pack of Mixing Nozzles for FST MINI	1
FSTBP-200B6	6 – Burst Packs for Ducts 125 mm or Larger	1
FSTBP-200KIT1	200 ml Burst Pack; 1 – Pair of Gloves; 4 – FST-DAM; 1 – 30 cm Sanding Cloth	1
FSTBP-200KIT6	6 – FSTBP-200KIT1	1



SPECIFICATIONS AND APPLICATIONS

- **Application:** FST-250 is recommended for conduits of 50 mm (2”) or larger. Polywater® FST™ MINI is recommended for conduits less than 40 mm (1.5”). Polywater® FSTBP™ (Burst Pack) is recommended for conduits larger than 125 mm (5”).
- **Adhesion:** Bonds to PVC, GRS, EMT, IMC, fiberglass, and PE conduits. Ducts can be reentered.
- **Codes:** Meets most countries’ electrical codes. Creates air/watertight seals and is fire retardant. Check local codes for performance criteria. 2011 NEC Articles 225.27, 230.8, 300.5(G), 300.7 (A) on Raceway Seals, and 501.15 (B)(2)

CLOSED-CELL FOAM AEROSOL DUCT SEALANT



Seals and Protects
Cable Networks from
Moisture, Gases,
and Pests

FEATURES AND BENEFITS

- **QUICK INSTALLATION**
Complete foam application in 2 minutes or less
- **RELIABLE**
Closed-cell structure protects cable network with 3 m (10 ft) of continuous water head pressure
- **RE-ENTERABLE**
Easily removed to facilitate new cable installation or old cable removal
- **SUPERIOR ADHESION**
Adheres strongly to common duct materials
- **SAFE**
Flame retardant with a UL 94, Class HBF fire retardant rating

DESIGNED FOR USE IN:



ELECTRICAL



COMMUNICATIONS



Durable and Rugged Performance

Polywater® AFT™ generates a durable seal to protect valuable cable infrastructure. With higher pressure performance than duct-putty or single-part thermal insulating foams, it does not shrink or lose water-stopping performance over time. AFT seals service entrances, conduit stub-ups, innerducts, and riser poles in the electrical and communications grids.



CATALOG #	PACKAGE DESCRIPTION	UNITS/CASE
AFT-16P4	1 – 480 ml (16 oz) Can; 2 – Actuators	4
AFT-16	1 – 480 ml (16 oz) Can; 2 – Actuators	15
AFT-SAE10	10 Pack of Actuators with Standard Extension Tube	1
AFT-FAE10	10 Pack of Actuators with Flexible Extension Tube	1



SPECIFICATIONS AND APPLICATIONS

- Cable Compatibility:** AFT sealant is proven to be compatible with common cable jacket materials based on tensile/elongation and volume resistivity testing.
- Approvals:** AFT is a UL recognized component and passed UL 94 with a Class HBF fire retardant rating.
- Cure Rate:** AFT foam expands two times its volume when dispensed. Full expansion is complete in under 2 minutes and tack free within 3 to 5 minutes at 21°C (70°F). During this time do not move cables or touch foam. At temperatures as low as 7°C (45°F), the foaming reaction time is slower.
- Application:** Shake can for 60 seconds to mix. Lift hinge and insert dispensing nozzle into top orifices so that the arrow lines up with the dispensing nozzle. Invert aerosol can. Insert nozzle all the way into the seal space and fully squeeze the lever to spray sealant into the conduit.



Polywater®

ZipSeal™

CLOSED-CELL FOAM DUCT SEALANT



Fast and Efficient Way to Seal Small Conduits and Communication Innerducts

FEATURES AND BENEFITS

- PROTECTS**
 Keeps water, gases, and rodents out of conduits
- QUICK INSTALLATION**
 Installs in just 45 seconds
- RE-ENTERABLE**
 Once installed, can be quickly removed and resealed if necessary
- MULTIPLE SEALS**
 One kit seals up to five 50 mm (2") conduits
- MEETS CODE REQUIREMENTS**
 Creates air/watertight seals. Meets most countries' electrical code performance requirements.

DESIGNED FOR USE IN:



ELECTRICAL



COMMUNICATIONS



Efficiently Seals Small Conduits and Innerducts

Polywater® ZipSeal™ is a fast and reliable way to seal small conduits and communication innerducts up to 50 mm (2")—protecting valuable cable infrastructure. With higher pressure performance than duct putty or single-part insulating foams, it will not shrink or lose performance over time. The revolutionary Zip-Disc™ insert traps the foaming liquid in its open-cell (center) area, ensuring a solid seal.



CATALOG #	PACKAGE DESCRIPTION	UNITS/CASE
ZIP-50KIT1	Kit Includes: 1 – 50 ml Cartridge; 2 – Mixing Nozzles; 2 – Pairs of Gloves; 5 – 5 cm (2") Zip-Discs; 1 – Instruction Sheet	1
ZIP-50KITB6	1 Box with 6 ZIP-50KIT1	1
TOOL-50-11	Dispensing Tool for 50 ml Cartridge	1
MXR-20T-10	10 pack of Mixing Nozzles	1



Contents of the ZIP-50KIT1 Kit

SPECIFICATIONS AND APPLICATIONS

- **Preferred Sealant:** Easier to install than duct putty and will not sag over time.
- **Water Head:** Holds up to 3.0 m (10 ft) water head pressure.
- **Seals Quickly:** Sealant will harden in 5 to 7 minutes.
- **Unique Zip-Disc:** The Zip-Disc allows for clean and effective horizontal or vertical installations.
- **Multi-Use Cartridge:** May be resealed for future use.
- **Compliant:** Complies with TIA-758-B Standard 5.1.1.2.8, 5.4.2.3, and 7.4.8.1.

Polywater®

BonDuit®

POLYETHYLENE (PE) CONDUIT ADHESIVE



Stronger and More Durable
Conduit Connections
between High-Density
Polyethylene (HDPE) and
Other Material Types

FEATURES AND BENEFITS

- **SUPERIOR**
Stronger pullout strength than mechanical couplings
- **VERSATILE**
Bonds HDPE to PVC, rigid steel, and fiberglass conduits and fittings
- **FAST AND DURABLE**
Bonds with high strength within an hour
- **EASY TO USE**
Requires no special training
- **CONVENIENT KITS**
Contains all application components required for a quick installation

DESIGNED FOR USE IN:



ELECTRICAL



COMMUNICATIONS



Creates Strong, Long-Lasting Bonds

Polywater® BonDuit® Conduit Adhesive is a two-part curing adhesive that creates a watertight and airtight conduit connection within an hour after application. The strong bond withstands movement and vibration and is ideal for installation along roadsides or near electrical equipment such as transformers or switchgear. The adhesive cartridge creates numerous connections and can be recapped for later use with a new nozzle.



CATALOG #	PACKAGE DESCRIPTION	UNITS/CASE
BT-KIT	Kit Includes: 2 – Adhesive Cartridges ; 8 – Mixing Nozzles; 1 – Strip of Sanding Cloth; 8 – Type RP™ Cleaning Wipes (cat #RP-1)	1
BT-KITB6	1 Box with 6 BT-KIT	1
BT-CART12PK	12 – Adhesive Cartridges ; 36 – Mixing Nozzles	1
TOOL-50-11	1 – Dispensing Tool	1
MXR-12T-10	10 Pack of Mixing Nozzles	1



Contents of the Polywater BonDuit BT-KIT

SPECIFICATIONS AND APPLICATIONS

- Compliance with Electrical Code:** Meets many electrical codes that require PVC or galvanized rigid steel pipe to be used for the transition from underground HDPE pipe to aboveground connections. PVC pipe cement does not bond HDPE.
- Adhesive Shear Strength:** Typical bond strengths were measured by joining two pieces of HDPE conduit with a PVC coupling and BonDuit adhesive. The force required to pull apart the joint after 24 hours at 21°C (70°F) was measured. Conduit diameter pullout force 40 mm = 5.48 kN; 50 mm = 9.01 kN; 100 mm = 23.72 kN

Polywater®

PowerPatch™ Family

TRANSFORMER LEAK REPAIR



Fast, Reliable Leak Repair for Oil and SF₆ Gas Insulated Transformers, PILC, and Switchgear

FEATURES AND BENEFITS

- **STRONG MOISTURE SEAL**
Protects transformer from accelerated aging
- **REPAIRS ACTIVE LEAKS**
Stops dripping and sweating leaks
- **HIGH-PRESSURE RESISTANCE**
Seals leaks in even 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

DESIGNED FOR USE IN:



Stops Costly Outages

Polywater® PowerPatch™ is a fast, durable, economic, and effective means to protect essential grid assets. Whether repairing small pinholes or cracks and large areas, PowerPatch reduces costly unplanned outages and environmental risks in a timely and cost-effective manner. PowerPatch Transformer Leak Repair technology comes in a variety of convenient packages for effective on-site application.



CATALOG #	PACKAGE DESCRIPTION	UNITS/CASE
EPCT-KIT1	Multi-use Kit Includes: 2 – PowerPatch 2-part Cartridges; 4 – Mixing Nozzles; 2 – Small Putty Sticks (4 cm); 8 – Type RP™ Cleaning Wipes (cat # RP-1); 1 – Sanding Cloth (61 cm); 4 – Application Sticks; 1 – Instruction Sheet	1
EPCT-KITB6	1 Box with 6 EPCT-KIT1	1
TOOL-50-11	1 – Dispensing Tool (for EPCT Style Kits Only)	1
EP-KIT11	Kit Includes: 1 – Sealed Plastic Bag with 2-part Sealant (part A & B); 1 – Small Putty Stick (4 cm); 2 – Type RP Cleaning Wipes (cat # RP-1); 1 – Sanding Cloth (61 cm); 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	Kit Includes: 6 – 2-part Sealant Sets (part A & B); 1 – Large Putty Stick (18 cm); 12 – Type RP Cleaning Wipes (cat # RP-1); 6 – Sanding Cloths (61 cm); 12 – Mixing Sticks; 6 – Pairs of Gloves; 1 – Instruction Sheet	1
EPSC-KIT1	Kit Includes: 2-part Sealant, PowerPatch Slow Cure Adhesive Part A and B (350 grams total); 3 – Type RP Cleaning and Preparation Wipes; 1 – 30.5 cm Strip Sanding Cloth; 4 – Mixing Sticks; 1 – Pair Disposable Gloves; 1 – Instruction Sheet	1
EP-STICK4	Large 18 cm (7") Putty Stick	12



Contents of the Polywater PowerPatch EP-KIT11

SPECIFICATIONS AND APPLICATIONS

- **Electrical Reliability:** Moisture can damage transformers. Sealing leaks as quickly as they occur is the key to keeping moisture from entering transformers and causing premature or catastrophic failure.
- **Chemical Resistance:** Sealant chemically resists dielectric fluids, SF₆ 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 non-conductive. Dielectric strength is 43 kV using ASTM D149, Method A.

Polywater[®]

InstaGrout[™]

UTILITY PAD SEALANT BARRIER



Pourable Sealant Barrier that Prevents Costly Outages



DESIGNED FOR USE IN:



ELECTRICAL

FEATURES AND BENEFITS

- **DETERRENT**
Keeps rodents, snakes, insects, and water from entering enclosures
- **EASY TO USE**
Ready to mix and apply—
No water needed
- **BLOCKS**
Flows and self-levels before expansion to seal the entire opening
- **RE-ENTERABLE**
Saw or drill after installation to install new ducts or cables
- **PROTECTS**
Offers permanent protection through weather extremes or equipment changeouts

Safeguard Enclosures and Equipment from Damage

Polywater® InstaGrout™ Sealant is a two-part urethane foam that seals pad-mounted equipment openings to prevent outages and service disruptions caused by animal or moisture ingress. It is safer to use and more effective than concrete grout. InstaGrout will not collapse during changeouts and adheres to various pad materials. It is available in convenient kits to seal a range of openings in transformers, switchgear, cabinets, and inverters.



CATALOG #	PACKAGE DESCRIPTION	UNITS/CASE
PMT-1	<p>Kit Includes:</p> <ul style="list-style-type: none"> 1 – 750 ml Burst Pack; 1 – Pair of Gloves; 1 – Instruction Sheet <p>Covers ~0.09 m² (1 sq ft), 7.6 cm (3”) Depth</p>	2
PMT-2	<p>Kit Includes:</p> <ul style="list-style-type: none"> 1 – 1500 ml Burst Pack; 1 – Pair of Gloves; 1 – Instruction Sheet <p>Covers ~0.19 m² (2 sq ft), 7.6 cm (3”) Depth</p>	2
PMT-3	<p>Kit Includes:</p> <ul style="list-style-type: none"> 1 – Bottle Part A; 1 – Bottle Part B; 1 – Mixing Pail; 1 – Mixing Stick; 1 – Pair of Gloves; 1 – Instruction Sheet <p>Covers ~0.28 m² (3 sq ft), 7.6 cm (3”) Depth</p>	1
PMT-10	<p>Kit Includes:</p> <ul style="list-style-type: none"> 1 – Jug Part A; 1 – Jug Part B; 1 – Mixing Pail; 1 – Pair of Gloves; 1 – Instruction Sheet <p>Covers ~0.93 cm² (10 sq ft); 7.6 cm (3”) Depth</p>	1



Contents of the Polywater InstaGrout PMT-3 Kit

SPECIFICATIONS AND APPLICATIONS

- Material Compatibility:** Cured Polywater InstaGrout Sealant is compatible with cable jacket materials, conduits, and various transformer pad materials. The foam is an inert solid that will not compromise the jacket material.
- Adhesion:** Polywater InstaGrout Sealant has good adhesion to a variety of materials found in electrical cabinets, including PVC, copper, aluminum, fiberglass pads, polymer concrete pads, polyester, and polyethylene.
- Water and Chemical Resistance:** Polywater InstaGrout Sealant does not absorb water and is chemically resistant to gasoline, oils, dilute acids, and bases.

PEDESTAL SEALING FOAM BARRIER



Creates a Hard Foam Barrier to Prevent Pest Infestation

FEATURES AND BENEFITS

- **DETERRENT**
Keeps rodents, snakes, and insects from entering the pedestal or cabinet
- **STRONG**
Structural foam matrix creates a robust seal
- **COMPLETE SEAL**
Flows and self-levels before expansion to conform to complex shapes
- **VERSATILE**
Can be used as a suspended floor or directly on the ground
- **PROTECTS**
Cured product offers permanent protection through weather extremes

DESIGNED FOR USE IN:



COMMUNICATIONS



Structural Barrier to Prevent Service Disruptions

Polywater® PedFloor™ Pedestal Sealant helps prevent outages and service disruptions by curing into a resilient and impermeable structural barrier. It keeps out moisture and stops pests from burrowing into the enclosure and causing costly outages or health and safety hazards. PedFloor is available in several convenient kits for easy installation.



CATALOG #	PACKAGE DESCRIPTION	UNITS/CASE
PF-1	Kit Includes: 1 – PedFloor Burst Pack (750 ml); 1 – Pair of Gloves; 1 – Plastic Sheet (per case); 1 – Roll Duct Tape; 1 – Instruction Sheet <i>Covers ~0.09 m² (1 sq ft), 7.6 cm (3”) Thick</i>	2
PF-2	Kit Includes: 1 – PedFloor Burst Pack (1500 ml); 1 – Pair of Gloves; 1 – Roll Duct Tape; 1 – Plastic Sheet; 1 – Instruction Sheet <i>Covers ~0.19 m² (2 sq ft), 7.6 cm (3”) Thick</i>	2
PF-3	Kit Includes: 1 – Bottle Part A; 1 – Bottle Part B; 1 – Pair of Gloves; 1 – Mixing Pail; 1 – Mixing Stick; 1 – Plastic Sheet; 1 – Roll Duct Tape; 1 – Instruction Sheet <i>Covers ~0.28 m² (3 sq ft), 7.6 cm (3”) Thick</i>	1
For Small Repairs and/or Supplemental Patching, Use an FSTBP™ Burst Pack:		
FSTBP-200B6	6 – FSTBP-200 (200 ml) Burst Packs; 6 – Pairs of Gloves; 1 – Instruction Sheet	1



SPECIFICATIONS AND APPLICATIONS

- **Working Temperature:** PedFloor is most effective when used between 2°C (35°F) and 43°C (110°F).
- **No Application Tool:** The convenience of a burst pack ensures no application tools or accessories are necessary in the field.
- **Reaction/Curing Time:** Sealant will flow and expand for approximately 20 minutes.
- **Multiple Applications:** Bonds well to itself, ensuring multiple applications of PedFloor have the same strength as a single deployment.

Polywater®

Pad N Pole™

FIBERGLASS UTILITY ENCLOSURE REPAIR SYSTEM



Fast, Versatile, and Durable Field Repair of Utility Enclosures, Poles, and Pedestals



FEATURES AND BENEFITS

- PROTECTS**
 Fixes and restores a wide variety of defects to prevent water, pest, or human intrusion
- PREVENTS**
 Helps stop outages and costly changeouts
- DURABLE**
 Withstands environmental extremes and is UV resistant
- VERSATILE**
 Repairs damage of various shapes and sizes
- EASY TO USE**
 Kit contains materials to complete repair in a single visit

DESIGNED FOR USE IN:



ELECTRICAL



COMMUNICATIONS

Restores System Integrity

Polywater® Pad N Pole™ Repair System is supplied in kits that contain everything needed to perform multiple repairs. It fixes a wide variety of defects, from small cracks to large holes. The repair system provides a durable, long-lasting repair, preventing outages and costly replacements.



CATALOG #	PACKAGE DESCRIPTION	UNITS/CASE
BRK-250KIT1	Kit Includes: 1 – 250 ml Pad N Pole Repair Adhesive Cartridge; 6 – Mixing Nozzles; 1 – Strip of Sanding Cloth; 6 – Type HP™ Wet/Dry Wipes (cat #HP-P158ID); 6 – Pairs of Gloves; 6 – Foam Brushes; 1 – 183 cm x 15 cm (72" x 6") Felt Fabric; 1 – Instruction Sheet <i>Dispensing Tool Not Included*</i>	1
BRK-250KITB6	1 Box with 6 BRK-250KIT1	1
TOOL-250	1 – Dispensing Tool	1
MXR-18S-10	10 Pack of Mixing Nozzles	1

*A standard high-ratio caulking tool should be used to dispense product.



Contents of the BRK-250KIT1

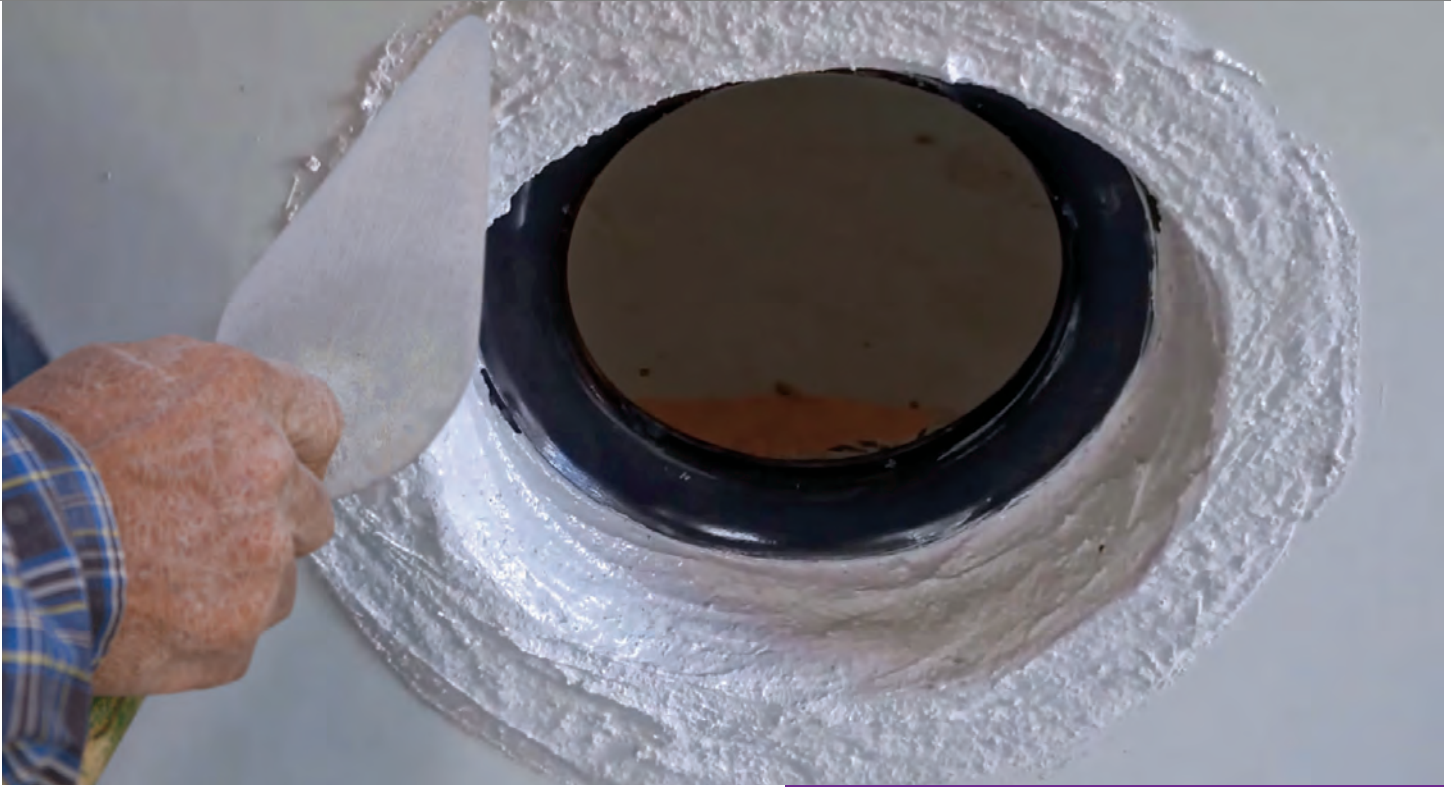
SPECIFICATIONS AND APPLICATIONS

- Applications:** Polywater Pad N Pole is perfect for repairing electrical enclosures, transformer pads, fiberglass light poles, PVC and fiberglass conduit, and riser poles. The felt in the kits can be custom cut to cover and mold to various types of damage. Multiple layers can be applied for increased strength over large areas.
- Repair Time:** Pad N Pole Repair is quick and easy to install. The mixed resin has 30 minutes working time at 21°C (70°F). The adhesive bonds to fiberglass, steel, polyethylene, metal, concrete, and composites. It can be painted immediately after application, eliminating the need for a return visit. Repairs reach full strength in 12 hours.
- Temperature:** Repairs can withstand exposure to extreme outdoor temperatures, from -50°C to 82°C (-60°F to 180°F).

Polywater[®]

Dura-Plate[™] 100

EPOXY MORTAR



High-Strength Protectant of Concrete and Masonry Surfaces from Erosive Chemical Sources

FEATURES AND BENEFITS

- **STRONG**
Excellent adhesion to concrete, PVC, polyethylene, wood, and metals
- **DURABLE**
Excellent resistance to hydrogen sulfide, and sulfuric acid
- **NON-SAGGING**
Great for vertical and overhead applications
- **TROWELABLE**
The 3-part thixotropic resin system spreads with ease and sets firm when finished
- **EASY APPLICATION**
Requires no primer

DESIGNED FOR USE IN:

- ELECTRICAL
- COMMUNICATIONS
- WATER
- SEWER



Gives Concrete a Protective Shield

When cured, Polywater® Dura-Plate™ 100 Epoxy Mortar forms a high-strength, acid-resistant, protective seal coating for sanitary sewer lift stations, manholes, and other structures. It is impermeable to water and resistant to attack by hydrogen sulfide and acid generated by microbiological sources. It is safe to use and contains no VOCs (Volatile Organic Compounds).



CATALOG #	PACKAGE DESCRIPTION	UNITS/CASE
EM-KIT640	Kit Includes: Resin Part A – 3.8 L (1 gal) Can Hardener Part B – 3.8 L (1 gal) Can Sand Filler Part C Sika Color Pack	1



The 3-part resin system mixes quickly and easily with no elaborate setup

SPECIFICATIONS AND APPLICATIONS

- **Use:** Polywater Dura-Plate 100 Epoxy Mortar is a 3-part thixotropic resin system packaged in a pail kit with a Sika Color Pack. Good surface preparation is critical. Mix only complete batches until blend is a uniform color. Do not thin with solvents.
- **Safety:** Use of eye protection and protective gloves is recommended.
- **Cleanup:** Clean uncured material from equipment with Grime-Away™ Multi-Purpose Cleaning Wipes or Type HP™ Cleaner. Remove cured material mechanically. Clean hands with soap and water or Grime-Away Wipes.
- **Installation Temperature:** 4°C to 50°C (45°F to 120°F)
- **In-service Temperature:** -40°C to 120°C (-40°F to 250°F)

WOOD UTILITY POLE REPAIR



Restore, Protect, and Extend the Life of Wood Utility Poles Easily and Reliably

FEATURES AND BENEFITS

- **EXPANDS**
Sealant completely fills irregular-shaped cavities
- **ADHERES**
Integrates with wood
- **HARDENS**
Cures to the strength of wood poles
- **GAFFABLE**
Safely holds climbing spikes or gaffs
- **QUICK MIXING**
Two-part formula mixes in nozzle when applied

DESIGNED FOR USE IN:



ELECTRICAL



COMMUNICATIONS



Prevent Unplanned Outages or Safety Hazards

Polywater® UPR™ makes it easy to repair woodpecker damage, cracks, and pole line hardware holes on wood utility poles. The resin and hardener are specially formulated to expand and fill irregular-shaped cavities to protect poles from rot and restore the pole to a secure condition. UPR is available in two versions and several kit options to address different types of damage.



CATALOG #	PACKAGE DESCRIPTION	UNITS/CASE
UPR-NFKIT4	Kit Includes: 4 – 250 ml UPR No Flow Pole Repair Cartridges; 6 – Mixing Nozzles; 1 – Roll of Stretch Wrap; 1 – Pair of Gloves; 1 – Instruction Sheet	1
UPR-NFKIT12	Kit Includes: 12 – 250 ml UPR No Flow Pole Repair Cartridges; 18 – Mixing Nozzles; 1 – Roll of Stretch Wrap; 3 – Pairs of Gloves; 1 – Instruction Sheet	1
UPR-NF6B10	Kit Includes: 10 – 600 ml UPR No Flow Pole Repair Side-By-Side Cartridges; 10 – Mixing Nozzles; 1 – Roll of Stretch Wrap; 3 – Pairs of Gloves; 1 – Instruction Sheet	1
UPR-NF250PT1	Kit Includes: 2 – 250 ml UPR No Flow Pole Repair Cartridges; 1 – 46 cm x 46 cm Canvas; 50 – 1.27 cm (0.5”) Staples; 1 – Pair of Gloves; 1 – Instruction Sheet	1
TOOL-250	1 – High-ratio 250 ml Caulking Tool	1
TOOL-600	1 – High-ratio 600 ml Caulking Tool	1
UPR-PRKIT3	Kit Includes: 3 – 250 ml UPR PR Cartridges; 4 – Mixing Nozzles; 5 – Green-treated Wood Blocks; 1 – Roll of Stretch Wrap; 1 – Pair of Gloves; 1 – Instruction Sheet	1
UPR-PRKIT12	Kit Includes: 12 – 250 ml UPR PR Cartridges; 16 – Mixing Nozzles; 18 – Green-treated Wood Blocks; 1 – Roll of Stretch Wrap; 4 – Pairs of Gloves; 1 – Instruction Sheet	1



SPECIFICATIONS AND APPLICATIONS

- **Available in two types:** The “NF” is a quick-gel version that will not leak or drip out of wood cracks at the bottom of the hole. The “PR” version is a liquid formula that flows around wood-block fillers to save material.
- **Strength and Gaffability:** UPR has good compressive strength, comparable to wood. When tested with a gaff, it holds well. The gaff penetrates to an acceptable depth with similar force compared to wood.
- **Compatibility:** Can be used to repair penta-treated wood, western red cedar, Douglas fir, red pine, southern yellow pine, lodgepole pine poles, and other varieties of wood.

Polywater[®]
Solutions at work.



Cleaners

To address specific challenges in the electrical, communications, and sewer/water industries, we created an entire line of specialty cleaners. Our variety of packaging options are designed to ensure ease of use and operational safety for workers in the field.



Polywater Cleaners:

- Prepare All Types of Cables for Splicing or Termination
- Protect and Extend the Life of Personal Protective Equipment (PPE)
- Maintain and Prolong the Life of Essential Equipment
- Clean and Coat Insulated Fiberglass Tools and Trucks
- Prepare Polyethylene (PE) Pipe Prior To Fusion
- Increase Output of Solar Panels

Polywater[®]

Type HP[™]

MULTIPURPOSE SOLVENT CLEANER



The Most Versatile Cleaner for Electrical Construction and Maintenance Needs

FEATURES AND BENEFITS

- **MULTIPURPOSE**
One cleaning solvent for electrical applications
- **HIGH SOLVENCY**
Excellent for cable splice preparation and electrical equipment cleaning
- **NO RESIDUE**
Evaporates completely, leaving no residue
- **NON-CONDUCTIVE**
Will not short across typical electrical voltages
- **SAFE**
Replaces chlorinated electrical cleaners. No carcinogens

DESIGNED FOR USE IN:

ELECTRICAL

COMMUNICATIONS



The Industry's Preferred Electrical Cleaner

Polywater® Type HP™ is our most popular electric cleaner for cable splice preparation, cable termination, and electrical apparatus maintenance. HP fits the needs of electrical utilities, line contractors, and medium voltage crews that need to comply with regulatory and safety requirements. Type HP is available in a wide range of bulk and kit packaging options to meet various use cases.



CATALOG #	PACKAGE DESCRIPTION	UNITS/CASE
HP-1	Saturated 20 cm x 30 cm (8" x 12") Wipe	144
HP-P158ID	Tandem Pack™ Wet/Dry 13 cm x 20 cm (5" x 8") Wipe	144
HP-3PS	PEL-PAC® Kit Contains: 3 – HP-P158ID Wet/Dry Wipes; 1 – Strip 120 Grit Non-conductive Sanding Cloth	10
HP-P63	PEL-PAC® Kit Contains: 6 – HP-P158ID Wet/Dry Wipes; 3 – Strips 120 Grit Non-conductive Sanding Cloth; 1 – Instruction Card	12
HP-T369	PEL-PAC® Kit Contains: 3 – Saturated 15 cm x 23 cm (6" x 9") Wipes in a Tin	24
HP-T369/S	Same as Kit Above; with Sanding Cloth	24
HP-T369/S-D	Same as Kit Above; Includes Dry Towel	24
HP-D72	72-Count Dispenser of 25 cm x 30 cm (10" x 12") Wipes	6
HPY-12	475 ml (16 oz) Aerosol Can	12
HP-16LF	475 ml (1 pt) Bottle with Flip Top	12
HP-35LF	0.95 L (1 qt) Bottle with Flip Top	12
HP-128	3.8 L (1 gal) Jug	4
HP-640	18.9 L (5 gal) Can	1
HP-DRUM	208 L (55 gal) Drum	1



SPECIFICATIONS AND APPLICATIONS

- **Cable Compatibility:** Meets the standard electrical utility test requirements based on IEEE 1493 cable cleaning standard.
- **Dielectric Strength:** >40kV at a 100 mil gap per ASTM D877 standard test method.
- **Flash Point:** >60°C (>140°F) per ASTM D93 standard test method.
- **Residue:** <100 ppm per ASTM D2369 standard test method. Leaves no residue.

FAST-EVAPORATING CABLE CLEANER



Safe and Efficient HV/MV
Cable Preparation and
Multipurpose Cleaner

FEATURES AND BENEFITS

- **FAST ACTING**
Evaporates quickly and leaves no residue
- **CONVENIENT**
Practical packaging for fast, easy electrical cleaning
- **SAFE**
Excellent alternative to volatile halogenated solvents
- **TESTED**
High dielectric strength of 56kV meets IEEE 1493
- **PROVEN**
Approved by medium voltage cable manufacturers



DESIGNED FOR USE IN:



Effective Cable Cleaner

Polywater® Type RP™ cable cleaner evaporates quickly, and is noncarcinogenic and safe for the environment. Available in several convenient packages to make electrical cleaning and maintenance safe and easy. The lint-free PEL-PAC® wipes and prepackaged single wipes limit solvent exposure and waste, and easily fit in tool bags and splicer kits.



CATALOG #	PACKAGE DESCRIPTION	UNITS/CASE
RP-1	Saturated 13 cm x 20 cm (5" x 8") Wipe	96
RP-1L	Saturated 20 cm x 30 cm (8" x 12") Wipe	144
RP-P63	6 – Type RP Cleaning Wipes (cat # RP-1); 3 – Strips of Sanding Cloth; 1 – Instruction Sheet	12
RP-16*	475 ml (16 oz) Aerosol Can	12

*Best suited for cleaning busbars, transformer oils, switchgear, meters, and electric motors. It also satisfies numerous other degreasing needs.



SPECIFICATIONS AND APPLICATIONS

- **Cable Compatibility:** Meets the standard electrical utility test requirements based on IEEE 1493 cable cleaning standard.
- **Dielectric Strength:** >56kV at a 100-mil gap per ASTM D877 standard test method.
- **Flash Point:** -7°C (20°F) per ASTM D93 standard test method.
- **Residue:** <100 ppm per ASTM D2369 standard test method. Leaves no residue.

Polywater®

Grime-Away™

HEAVY-DUTY CLEANING WIPES



Powerful and Convenient Removal of the Toughest Grime on Equipment, Tools, Work Surfaces, and Hands

FEATURES AND BENEFITS

- SUPERIOR CLEANING POWER**
 Removes the toughest kind of dirt, grime, gels, and greases
- DUAL-SIDED DESIGN**
 Ensures thorough cleaning with rough texture on one side for scrubbing and smooth on the other side for wiping
- DURABLE PACKAGING**
 Rugged canister keeps wipes moist and is easy to store in outdoor or work vehicle bins
- MOISTURIZING**
 Softens and moisturizes skin while being tough on grime

DESIGNED FOR USE IN:



ELECTRICAL



COMMUNICATIONS



Tough on Dirt, but Field Friendly

Polywater® Grime-Away™ quickly and effectively removes hydraulic fluids, silicone greases, and adhesives from transformers, vehicles, heavy machinery, tools, and hands for a clean and safe working environment. Its unique water-based formulation is especially safe on skin, unlike most other tool and hand cleaners. Grime-Away is available in a multiple-use, 72-count canister or individual wipes that store easily in tool pouches or lineman bags.



CATALOG #	PACKAGE DESCRIPTION	UNITS/CASE
HTC-D72	72-Count Dispenser of 25 cm x 30 cm (10" x 12") Premoistened Wipes	6
HTC-1	Saturated 25 cm x 30 cm (10" x 12") Wipe	144



SPECIFICATIONS AND APPLICATIONS

- Physical and Electrical Properties:** Tested and approved for compatibility with rubber-insulating gloves under Salisbury by Honeywell's Criteria for Evaluating Chemicals in Contact with Salisbury Natural Rubber Lineman Equipment. Salisbury approves Grime-Away for cleaning hands that then contact insulating gloves (not for use on the gloves themselves). Document available upon request.
- Insulating Rubber Goods:** To clean rubber-insulating line hose, grounds, blankets, sleeves, and gloves use **Polywater® Type RBG™ Rubber Goods Cleaner**.

HOT STICK CLEANER AND WATER-REPELLENT WIPE



For the Protection and Safety of Live-Line Tools

FEATURES AND BENEFITS

- EFFECTIVE**
 Removes grease, dust, and grime while leaving a protective silicone layer
- GEL COAT SAFE**
 Does not remove or affect the gel coat on sticks
- COMPLIANT**
 Meets IEEE Std #978 and OSHA 29 CFR Part 1910 guidelines
- WATER REPELLENT**
 Silicone coating prevents continuous conductive water film on stick in wet weather
- CONVENIENT**
 Clean and protect with one-time-use towelettes



DESIGNED FOR USE IN:



ELECTRICAL



COMMUNICATIONS

Safeguard Your Live-Line Tools

Use Polywater® S-1™ as part of the daily requirement to inspect and wipe hot sticks clean prior to each use. The wipe safely removes contaminants from hot sticks that contribute to tracking hazards, and also leaves the equipment with a protective coat. S-1 is effective at cleaning telescoping sticks so they glide into position without sticking.



CATALOG #	PACKAGE DESCRIPTION	UNITS/CASE
S-1	Saturated 20 cm x 30 cm (8" x 12") Wipe	144

SPECIFICATIONS AND APPLICATIONS



- **Versatile:** S-1 wipes improve insulating performance after cleaning and protecting clamp sticks, hot sticks, bracing arms, cutters, and jumper holders.



- **Safety Guidelines:** Existing regulations mandate that “each live-line tool shall be wiped clean and visually inspected for defects before use each day,” noting that a hot stick can become electrically unsafe because of a combination of wetting, surface contamination, and a loss of surface gloss. The best defense against accidents is a clean, glossy stick that causes water to bead up.



- **IEEE Maintenance Standard #978:** States the best way to clean a stick is to use isopropyl alcohol followed by a silicone wiping cloth. The S-1 cleverly combines both alcohol and silicone in a one-step process.

Polywater®

BOOM™ Prewash Wipes

CLEANER FOR INSULATED BUCKET TRUCKS



Strong and Safe Cleaner
Removes Residues that
Cause Tracking



FEATURES AND BENEFITS

- POWERFUL**
Removes grease, grime, tar, creosote, hydraulic fluid, salt, pine pitch, insects, and road debris before rinsing
- GEL COAT SAFE**
Will not remove or adversely affect the gel coat
- APPROVED**
Bucket truck manufacturer recommended
- CONVENIENT**
Pre-saturated cleaning wipes designed for overall or spot cleaning
- BIODEGRADABLE**
Water soluble and solvent free

DESIGNED FOR USE IN:



ELECTRICAL



COMMUNICATIONS

Maintain Equipment to Work Safely

Polywater® BOOM™ Prewash Wipes powerfully and safely clean fiberglass boom arms, insulators, and buckets to prevent tracking hazards from unwanted contaminants. It is water soluble and washes off during water rinsing. BOOM is available in several packaging options to fit your cleaning and safety needs.



CATALOG #	PACKAGE DESCRIPTION	UNITS/CASE
B-1	Saturated 71 cm x 71 cm (24" x 24") Towel	24
B-D72	72-Count Dispenser of 25 cm x 30 cm (10" x 12") Wipes	6



SPECIFICATIONS AND APPLICATIONS

- Testing:** Companies should follow boom truck manufacturer guidelines on the frequency of dielectric testing, proper cleaning practice, and other maintenance procedures. The ANSI A92.2-1990 Standard (Section 5.4.3) also addresses proper dielectric testing intervals and field inspections for aerial truck testing.
- Guidance:** Common degreasers or solvents can harm and strip the gel coat on the boom, causing weak or soft spots. Many crews have access to solvents and know how well these solvents remove grease, but many of those solvents can be harmful to the fiberglass portion of the boom arm or bucket. Some cleaners contain abrasives and leave a considerable residue. Others, like acetone, xylene, and toluene, can cause permanent damage if left in contact with the surface too long. These solvents are also flammable and often hazardous. Personnel should be trained to use only BOOM Wipes for the boom and bucket areas to keep the truck in proper working order.
- Protect:** After cleaning a boom or bucket truck with BOOM Wipes, the fiberglass areas should be treated with Polywater Wax to protect the gel coat surface. Available in bulk 475 ml bottles (W-16) or pre-saturated wipes (W-1).

Polywater[®]

Type RBG[™]

WATER-BASED RUBBER GOODS CLEANER



Safely Cleans EPDM and Natural Rubber Insulating and Personal Protective Equipment (IPE & PPE) Products



FEATURES AND BENEFITS

- RESTORES AND RENEWS**
 Restores high visibility to bright-colored rubber goods, reducing risks in inclement weather and in areas with overgrown vegetation
- INCREASES RELIABILITY**
 Uncovers hidden damage in equipment like nicks, cuts and abrasions before field work
- COMPATIBLE**
 Does not affect dielectric properties of EPDM and natural rubber insulated equipment.
- SAFE ON SKIN**
 Contains no hazardous ingredients and is pH neutral to make it safe for skin contact

DESIGNED FOR USE IN:



ELECTRICAL



COMMUNICATIONS

Reduce Tracking and Restore Visibility

Polywater® Type RBG™ Rubber Goods Cleaner is specially formulated for removing grease, dirt, carbon, creosote, hydraulic fluid, and other grimes from insulating blankets, lineman’s gloves, rubber sleeves, jumper cables, hot jumpers, and line hose. It works well as a daily cleaner to maximize the life of equipment and keep workers safe.



CATALOG #	PACKAGE DESCRIPTION	UNITS/CASE
RBG-D72	72-Count Dispenser of 25 cm x 30 cm (10” x 12”) Premoistened Wipes	6
RBG-1	Saturated 20 cm x 30 cm (8” x 12”) Wipe	144
RBG-35LR	0.95 L (1 qt) Bottle with Sprayer	12
RBG-128	3.8 L (1 gal) Jug	4
RBG-640	18.9 L (5 gal) Pail	1

Available in convenient packaging to make it easy to use in the field, tool rooms and in testing facilities.



SPECIFICATIONS AND APPLICATIONS

- **Independent Testing:** Tested by an independent NAIL® for PET (North American Independent Laboratories for Protective Equipment Testing) accredited laboratory in accordance with ASTM F496, “Standard Specification for In-Service Care of Insulating Gloves and Sleeves.” Test data available on request.
- **Compatibility:** Passes all tests regarding synthetic and natural rubber in accordance with the ASTM and OSHA standards.
- **Performance Properties:** Passes Rubber Property—Effect of Liquids (ASTM D471) and Specification for In-Service Care of Insulating Gloves and Sleeves (ASTM F496).
- **Safe:** Not a Resource Conservation and Recovery Act (RCRA) regulated hazardous waste.

Fiberglass Wax & Buff Kit

FIBERGLASS WAX FOR GEL-COATED INSULATED EQUIPMENT



Protect and Maintain the Safe Operation of Hot Sticks and Insulated Boom Trucks

FEATURES AND BENEFITS

- PROTECTS**
 Does not remove or affect gel coat. Leaves non-conductive, water-repellent coating
- RESTORES**
 Brings back luster and helps to protect gel coat
- FAST ACTING**
 Wax applies easily and hazes quickly
- CONVENIENT**
 Dual-action tandem pack—wax-saturated wipe and dry buffing towel
- COMPLIANT**
 Meets IEEE maintenance recommendations (Std #978)



DESIGNED FOR USE IN:



ELECTRICAL



COMMUNICATIONS

Regular Maintenance is the Key to Safety

The Polywater® Fiberglass Wax & Buff Kit is designed to help keep equipment safe and companies compliant as part of regular live line tool and insulated boom truck inspection and cleaning processes. The carnuba-based wax is formulated to restore the luster of the insulated fiberglass equipment and to help protect the gel coat from degradation.



CATALOG #	PACKAGE DESCRIPTION	UNITS/CASE
W-1	Saturated 20 cm x 30 cm (8" x 12") Wipe with Dry Buffing Towel	72
W-16	475 ml (16 oz) Can	12



SPECIFICATIONS AND APPLICATIONS

- Best Practice:** Once a boom has been properly cleaned with Polywater® BOOM™ Prewash Wipes, Polywater Wax should be used. This will protect the gel-coat surface and force water beading during misty or wet weather. All products used on boom trucks, including cleaners and protectants designed specifically for fiberglass booms, should be approved by the aerial lift manufacturer. Polywater products are approved by boom truck manufacturers. Refer to our boom truck cleaning and maintenance best practice for more detailed information to keep fleets in proper working order.
- Industry Recommendations:** Companies should follow boom truck manufacturer guidelines on the frequency of dielectric testing, proper cleaning practice, and other maintenance procedures. The ANSI A92.2-1990 Standard (Section 5.4.3) also addresses proper dielectric testing intervals and field inspections for aerial truck testing. Follow manufacturer and industry guidelines on the maintenance of boom trucks for safe and long-lasting aerial fleets.

Polywater®

Type SPW™

WATER-BASED SOLAR PANEL CLEANER



An Effective Cleaner that Maximizes Power Production and Prolongs the Life of Photovoltaic (PV) Panel Installations

FEATURES AND BENEFITS

- **SAFE ON EQUIPMENT**
Does not degrade panel hardware or anti-reflective films
- **PROLONGS PANEL LIFE**
Keeps panel surface clean to increase output and prevent panel hotspot damage
- **ECONOMICAL**
Reduces water use and cleaning costs
- **ENVIRONMENTALLY FRIENDLY**
Will not harm local water sources or plant life
- **EFFECTIVE**
Removes contaminants that water alone cannot

DESIGNED FOR USE IN:



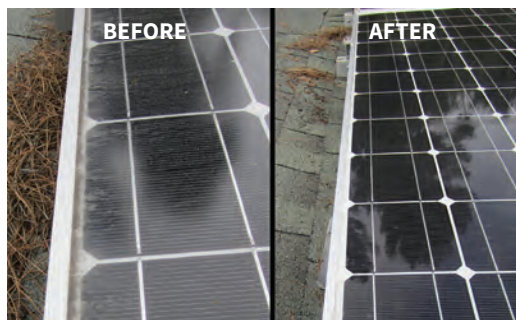
Maintain and Maximize Power Production

Polywater® SPW™ is a highly concentrated, non-solvent compound that leaves panel surface areas clean and clear, eliminating potential hotspot damage. Panels cleaned with SPW maximize power generation and economic return of your PV installation. SPW cleans a wide range of contaminants and has been proven to clean better than conventional cleaning products, reducing the need for cleaning frequency.



CATALOG #	PACKAGE DESCRIPTION	UNITS/CASE
SPW-35HS*	0.95 L (1 qt) Bottle with Sprayer	12
SPW-35LF	0.95 L (1 qt) Bottle	12
SPW-128	3.8 L (1 gal) Jug	4
SPW-640	19.0 L (5 gal) Pail	1
SPW-DRUM	208 L (55 gal) Drum	1

*English measure threads on hose attachment. Metric conversion connectors required.



SPECIFICATIONS AND APPLICATIONS

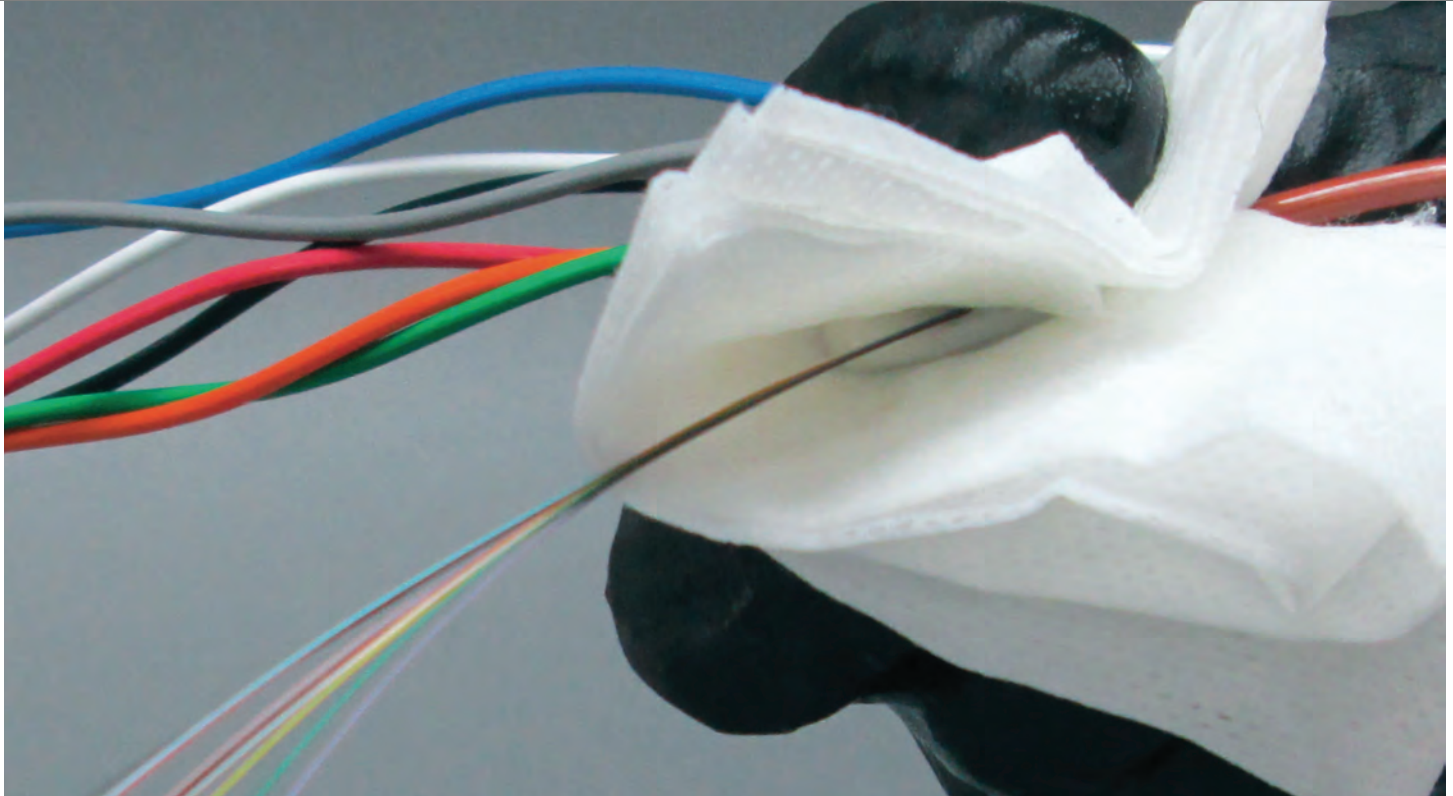
- **Automated Cleaning:** Enhance effectiveness of semi-automated cleaning systems.
- **Recycling Systems:** Reduce costs and H₂O use by recycling water/SPW mixture
- **DI & RO Water:** Reduce or eliminate deionized or reverse osmosis water expense
- **Cleans Many Contaminants:** Effectively cleans dust, pollen, diesel film, industrial pollution, and other common contaminants.
- **Environmentally Friendly:** Non-persistent per OECD (Organization for Economic Cooperation and Development) Guidelines. Safe for local plant life and water sources.
- **Manufacturers' Approvals:** SPW use is approved by many of the largest global PV panel manufacturers in the world.



Polywater®

SqueekyKleen™

FIBER OPTIC AND COPPER CABLE GEL REMOVER



Fast and Effective Gel Remover for Loose Tube and Ribbon Cable

FEATURES AND BENEFITS

- **EFFECTIVE**
Completely dissolves a wide range of filling and flooding gels
- **FAST**
Removes gel and fans fibers with only two swipes
- **RESIDUE FREE**
Leaves no gel residue behind to remove
- **COMPATIBLE**
Will not harm acrylate, mylar, nor ribbon fiber materials
- **FIELD APPROVED**
Recommended by users in the field and cable and splicing equipment manufacturers

DESIGNED FOR USE IN:



COMMUNICATIONS



More Efficient and Safe Splicing

Polywater® SqueekyKleen™ quickly removes gels, leaves no residue, and fans fiber with just two swipes—making cable preparation more efficient. Creates a safer working environment than alcohol with lower vapor concentrations and is gentler on splicers' hands. SqueekyKleen is available in various sizes and convenient packages, from single saturated towelettes to bulk liquid, to meet your needs.



CATALOG #	PACKAGE DESCRIPTION	UNITS/CASE
TC-1	Saturated 21.6 cm x 27.9 cm (8.5" x 11") Wipe	144
TC-D300	300-Count Dispenser of 12.7 cm x 15.2 cm (5" x 6") Premoistened Towelettes	6
TC-16LF	475 ml (16 oz) Bottle with Flip-top	12
TC-35LF	0.95 L (1 qt) Bottle with Flip-top	12
TC-96	2.8 L (3 qt) in 3.8 L (1 gal) Pail	4
TC-128	3.8 L (1 gal) Jug	4
TC-640	18.9 L (5 gal) Pail	1
TC-DRUM	209 L (55 gal) Drum	1



SPECIFICATIONS AND APPLICATIONS

- **Cleaning:** When wiping a 1-meter section of 12-count fiber from a buffer tube, a saturated towelette will squeak and fan fibers with 2 swipes.
- **Solvency Power:** At 20°C (68°F), it will dissolve a 0.5 mm (0.02") film of PE/PJ or ETPR grease completely from cable jacket with less than two minutes of vigorous agitation (no wiping).
- **Water Content:** When tested by the ASTM D1533B method, water content shall be <75 ppm.
- **Flash Point:** When tested via a Pensky-Martin Closed Cup Test (ASTM D93), the cleaner shall have a flash point above 60°C (140°F).

NOTES

NOTES

Polywater[®]

Solutions at work.

Exclusively Distributed by



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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.