

SEALPRO

LLC

Industrial Maintenance
Gasket Material
Boiler Products
Mechanical Seals
Compression Packing
Epoxy Coatings
Concrete Repair



Providing all your MRO needs and more!!!

540 N Commercial Street, 3rd Floor

Manchester, NH 03101

(800) SEALPRO (732-5776)

(603) 669-2243

www.sealproweb.com

info@sealproweb.com

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FlexKreteTM
Technologies
A div of Protective Products, Inc.

**Several Times
Stronger than Concrete**

**Trowel to a
Feather-Edge**

**Fill as Deeply as
Needed**

Cure @ 0°F in 1 Hour

**Chemically and
Physically**

Bonds Broken Concrete

Waterproofs

Chemical Resistant

Very Low Odor

**Colors Available,
Gray & Clear Standard**

For information:

SealPro, LLC

150 Dow Street, Suite 316C

Manchester, NH 03101

BEFORE



AFTER



SPALLS • DECKS • DRIVEWAYS • STAIRS

(603) 669-2243 • (800) 732-5776 X202

www.sealproweb.com

SEALPRO

LLC

CONCRETE REPAIR SYSTEM

GENERIC TYPE:

Advanced, thermoset vinyl polymer.

RECOMMENDED USAGE:

- Repair pot holes and broken concrete.
- Repair spalls in concrete.
- Feather edge, or use full depth.
- Rebuild broken curbs and platforms .
- Restore integrity of distressed concrete.
- Bridge deck repairs and slabs.
- Parking lots.
- Parking decks .
- Floors, docks & ramps.
- Non-skid, coating for floors, steps & walkways.
- Driveway and sidewalk renovations.
- Rebuild stairways.
- Control joints.
- Equipment bases.
- Anchor bolts and posts .
- Level concrete.

CHEMICAL RESISTANCE GUIDE:

(Use FlexKrete 102CR)

EXPOSURE	IMMERSION	SPLASH & SPILL
ACIDS	GOOD	EXCELLENT
ALKALIES	GOOD	EXCELLENT
PETROLEUM	GOOD	GOOD
SALTWATER	EXCELLENT	EXCELLENT
WATER	EXCELLENT	EXCELLENT

*NOTE: For specific harsh chemical environments,
Contact FlexKrete Technologies or your sales rep.*

ORDERING INFORMATION:

Shipping Weight:

Wt. Per Gallon @ 77°F / 9 lbs.

PACKAGING :

Available in 5 gallon units.

PHYSICAL DATA:

Solids by wt: approx . (@77°F)	99%
Solids by vol: approx. (@77°F)	98%
Specific Gravity @ 77°F	1.08
Viscosity@ 77 F	180-250 cps
Flash Point: (ATMS-D-93, Open Cup)	141°F
Pot Life with 80% aggregate:	
@77°F, approx.	20 min.
@100°F, approx.	12 min.
Pot Life without aggregate:	
@77°F, approx.	13 min.
@100°F, approx.	7 min.
Linear Shrinkage (unfilled)	1.1%
Tensile Modulus (ASTM D 790)	182,000 psi
Tensile Strength (ASTM D 638)	3,530 lb/in ²
Flexural Strength (ASTM D 790)	7,340 lb/in ²
Flexural Modulus (ASTM D 790)	390,000 psi
Elongation% (ASTM D 638)	30%
Water Absorption (ASTM D 570)	0.64%
Compressive Strength	>10,000 psi
Hardness -Shore D (ASTM D 2240)	79
Shelf Life:	6 mos.
VOC	0

TEMPERATURE LIMITS:

Continuous	175° F
Intermittent	220° F
Cures@	35° F

COVERAGE

1 Gal. FlexKrete™ + 4 Gal. Sand=
128 SF@ 1/ 16" Average Thickness
64 SF@ 1/8" Average Thickness
32 SF@ 1/4" Average Thickness
16 SF@ 1/2" Average Thickness
8 SF @ 1" Average Thickness

For roll and broadcast repairs, approx. 50-100 sf per
gallon, depending on the type and porosity of the
substrate and the size of the aggregate used .

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FLEXKRETE

FlexKrete is the answer for all concrete repairs.

FlexKrete is a (2) part advanced, thermoset vinyl polymer.

FlexKrete is non-toxic, 99% solid by weight, low odor, impervious to salt attack, waterproof and has a 30% elongation. The material attains a compressive strength 3 to 4 times that of concrete, can be feathered-edged and used at any depth, does not require saw cutting. It can also be used on verticals or overheads without structural support and can be opened to foot and vehicle traffic in ONE HOUR OR LESS.

FlexKrete Technologies has developed a special primer FlexPrime to allow installations over damp concrete and rust and for cold rooms and outdoor colder temperatures down to 0 degrees.

FlexKrete can be cured in one hour by adding FlexTemp. You can now easily and quickly repair those trip hazards, stairways, curbs, potholes, floors, broken joints, sidewalks, parking areas, walls, overheads, equipment bases and many, many more structures.

FlexKrete can also be used as a broadcast system with granite quartz to beautify swimming pool decks, walkways, stairways, driveways and entrances to buildings.

FX-102 FlexKrete Concrete Repair w/Catalyst

Base FlexKrete kit with catalyst



FX-105 FlexPrime (Part A & B) 2 Gallon Kit

Blocks moisture, penetrates substrate, seals rust, works on green concrete



FX-106 FlexTemp Cold Cure

Speeds curing of catalyzed FlexKrete



FX-125 Cabsoil No-Sag 2.5 lbs

No-Sag #2 is a dry powder that is designed to thicken FlexKrete (or other epoxies), making it possible to apply onto vertical surfaces



TL-146 Large Paddle Mixer (5 gal) 8 ½ x 4"

Made of 304 polished stainless steel, this paddle mixer is designed for medium to heavy jobs in 2-5 gal. (8-20 qt.) containers. It easily fits any 3/8" electric chucked power tool.

Other sizes available



FX-101 Silica Sand 50lb bag (4 bags of sand required per 5 gallon pail)

Aggregate for use with FlexKrete system



QZ-28-21 Granite Quartz 50 pound Bag

Use as an aggregate if you want your surface to have a more decorative look. Available in a variety of colors.



PANSEAL

Cooling Tower Sealant and Coating

- *Seals leaks immediately.*
- *Minimal system down time.*
- *Easy brush/roller/spray application.*
- *100% solids and entirely free of solvents and volatile organic compounds.*
- *Works on metal, fiberglass, stainless steel, concrete and wood surfaces.*
- *Bonds chemically and mechanically to the substrate.*
- *Excellent adhesion strength – 2,750 psi (pull-off adhesion test ASTM D 4541).*



PANSEAL is a unique, 100% solids, multi-component epoxy designed to quickly seal and repair leaking and corroded surfaces, forming a new, non-rusting and permanently restored surface. PANSEAL is used worldwide in the HVAC industry to coat, repair and protect cooling towers, chillers and walk in refrigerator rooms.

PANSEAL is ideal for commercial and industrial applications (covering 160 square feet at 10 mils. thickness). PANSEAL is supplied in a gallon container of resin and a pint of hardener. Once the pint of hardener is emptied into the gallon of resin, PANSEAL can be mixed and applied with a brush, roller or spray gun (56:1 airless or higher).

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PANSEAL

CHEMICAL RESISTANCE

Acetic Acid 10%	Hydrochloric Acid up to 20%	Sodium Chloride
Ammonium Hydroxide 25%	Mineral Spirits	Sodium Hydroxide 50%
Brine Water	Potassium Hydroxide 50%	Sulfuric Acid 75%
Copper Sulfate	Crude Oil	Sewage
Diesel Fuel	Caster Oil	Alkalies
Fatty Acids	Ethylene Glycol	Fresh and non-potable Water
Ethanol		Wine
Gasoline		

SERVICE TEMPERATURE

Dry Service - -30°F to 250°F (121°C)

Spill/Splash - 190°F (87.7°C)

Immersion - 150°F (65.5°C)*

* Water Immersion - 190°F (90°C) - Atlas test cell for 60 days, unaffected.

CURE TIME (at 70°F or 21°C)

Re-coat Window - 24 hours maximum

Light Loading - 2 Days

Immersion (Aqueous) Service - 24 hours

Full or Chemical Service Immersion - 7 days

PUMP SPECIFICATIONS

Pump Ratio:

56:1 or greater, minimum output - 5,600 psi

Product Hose:

Min. - Optimum I.D. - 0.375 - 0.5 inch, max. length - 60 feet

PREPARATION

Remove all oil/grease with wire brush, or grind. Prepare surface as necessary.

**Surface must consist of a neutral PH. Any existing acid can be neutralized with baking soda.*

**A cleaner surface will result in better adhesive strength.*

MIXING PROCEDURES

1. Empty the entire amount of hardener into the resin container.

2. Mix thoroughly until uniform in consistency, continue mixing for an additional 2-3 minutes. Pay special attention to the bottom and sides of the container to insure complete mixing. Due to the high viscosity of this product, a mechanical mixer is preferred. Use at low speed and keep the mixing blade down in the product to avoid entrapping air.

APPLICATION - Apply PANSEAL with a brush, roller or sprayer (56:1 or greater).

CLEAN-UP

Use a mixture of MIBK and Butyl Acetate (50/50) or MEK for cleanup. Skin may be cleaned with denatured alcohol, preferably ethanol.

**Refer to the MSDS for further information.*

DYNESIC TECHNOLOGIES produces exceptional chemically engineered coatings, adhesives and sealants offering premium corrosion protection, while being safe for the environment and totally user friendly. Dynesic Technologies can be found protecting steel, ductile and concrete substrates worldwide.



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PN-200 Panseal

Cooling Tower Sealant & Coating

- *Seals leaks immediately.*
- *Minimal system down time.*
- *Easy brush/roller/spray application.*
- *100% solids and entirely free of sol-vents and volatile organic compounds.*
- *Works on metal, fiberglass, stainless steel, concrete and wood surfaces.*
- *Bonds chemically and mechanically to the substrate.*
- *Excellent adhesion strength – 2,750 psi (pull-off adhesion test ASTM D 4541).*



PANSEAL is a unique, 100% solids, multi-component epoxy designed to quickly seal and repair leaking and corroded surfaces, forming a new, non-rusting and permanently restored surface. PANSEAL is used worldwide in the HVAC industry to coat, repair and protect cooling towers, chillers and walk in refrigerator rooms.

PANSEAL is ideal for commercial and industrial applications (covering 160 square feet at 10 mils. thickness). PANSEAL is supplied in a gallon container of resin and a pint of hardener. Once the pint of hardener is emptied into the gallon of resin, PANSEAL can be mixed and applied with a brush, roller or spray gun (56:1 airless or higher.)

PN-201 Panseal 9 ounce Cartridge

Drain Pan Repair

- *Seals leaks immediately.*
- *No system down time.*
- *Works in standing water.*
- *Self-levelling.*
- *No surface preparation.*
- *Ideal for repairs or preventative maintenance.*
- *Works on metal, fiberglass, stainless steel, concrete, wood and plastic surfaces.*
- *100% solids and entirely free of solvents and volatile organic compounds.*



PN-250 Panseal Paste Grade Trowelable Surface Repair

- *Immediately seals leaks, cracks and even majorly damaged surface areas.*
- *Minimal surface preparation required.*
- *Works on metal, fiberglass, stainless steel, concrete and wood surfaces.*
- *Easy to apply with trowel.*
- *Ideal for vertical repairs and ceiling work*
- *100% solids and entirely free of solvents and volatile organic compounds.*



PANSEAL Paste Grade is a unique, multi-component epoxy designed to quickly seal and repair leaking and corroded surfaces, forming a new, non-rusting and permanently restored surface.

PANSEAL Paste Grade is ideal for commercial and industrial applications. PANSEAL Paste Grade is supplied in a gallon container of resin and a pint of hardener. Once the pint of hardener is emptied into the gallon of resin, the product can be mixed thoroughly and applied with a trowel, PANSEAL is used worldwide restoring cooling towers in the HVAC industry and is widely used in many other industries including agriculture, hospitals, marine, oil and gas and waste management.

PN-301 Pipeseal Leak Repair

Works on all types of pipes including copper, steel, lead, cast iron and aluminum.

- *Heat activated – Hardens fully in less than 1 minute.*
- *Withstands pressures up to 1200 psi.*
- *No wrapping or plugging required.*
- *Ideal for refrigerant lines.*
- *Extreme chemical resistance.*
- *100% solids – NO VOCS*
- *Permanently seals holes of up to ½ inch in diameter.*



PIPESEAL is a unique, 100% solids, multi-component epoxy designed to quickly and permanently patch, seal and repair cracks, holes and leaks in all types of pipe.

PIPESEAL is ideal for commercial, industrial and residential applications. PIPESEAL is supplied in a burst-seal bag containing pre-measured amounts of resin and hardener. Once the resin and hardener are mixed, PIPESEAL is ready to apply. PIPESEAL is heat activated and will cure within a minute once it is heated with a heat gun. The sealed pipe will withstand high pressure immediately after PIPESEAL cures.

Aerosols

Sealpro carries a variety of aerosol products to meet your maintenance needs!

Most aerosols are available in single cans or cases of 12.

Don't see an aerosol product you are looking for? We may be able to get it! Just ask!!!

AE-117 All Purpose Cleaner Net Wt. 18 ounce can

Industrial Strength All Purpose Cleaner is a water based, detergent type product with a foaming action that cleans hard surfaces without leaving residue. This convenient, aerosol cleaner is useful in lunch rooms and laboratories where quick clean up jobs between janitorial visits are needed.

Use on: stainless steel, chrome, aluminum, metal plumbing fixtures, windows mirrors, glazed porcelain, counter tops, vinyl, finished wood and painted surfaces.



AE-112 Safety Solvent Cleaner II Net Wt. 19 ounce can

Sealpro Safety Solvent Cleaner II is a non-flammable safety solvent that can be used in shop, auto and marine applications. It is non-corrosive, non-staining, leaves no residue, is nonconductive, and dries rapidly. Grease, oil and dirt quickly dissolve and flush away. This product may affect certain plastics or printed surfaces. Test on remote area for compatibility.

SealPro Safety Solvent Cleaner II is a combination of nonflammable quality solvents which instantly dissolves grease, oil and conductive solids and is the ideal replacement for carbon tetrachloride.

Also, an outstanding degreaser and safety solvent for preparing the application surface before applying SEALPRO epoxies or urethanes; for general cleaning.

Also available in 1 gallon, non-aerosol cans (**AE-112-G**)



AE-116 Electrical Contact Cleaner II Net Wt. 16 ounce can

Sealpro Electrical Contact Cleaner II affords instant solvent cleaning action that quickly removes grease, dust, dirt and oxidation found in electrical and electronic equipment. It restores and maintains precision and original efficiency of instruments and equipment. Penetrates pores of surface and leaves a fine microscopic film for prolonged protection against corrosion.

USES: Rheostats, Transmitters, Switches, Microphones, Coils, Condensers, Receivers, Tasters, Speakers, Transistors, Circuit Breakers, Controls, Relays, Timers, Signals, Meters, Panel Boards and More.



**May harm certain plastics and elastomers. Test on nonessential similar material prior to application.*

AC-289 A/C Coil Cleaner Net Wt. 18 ounce can

Sealpro Air Conditioner Coil Cleaner works without acids. Corrosion

On the surface of the air conditioner coils can cut the efficiency and increase the cost of operating the unit by as much as 10%. It dioxides as it removes dirt and sooty soil.

Non-acid Air Conditioner Coil Cleaner will lower electric bills and will not damage roofing materials. It will remove corrosive, soot, atmospheric salts, and other deposits that interfere with the efficient operation of air conditioner coils, filters, electronic precipitation, fan blades, squirrel cages and other refrigeration and cooling components.

Air Conditioner Coil Cleaner leaves no corrosive residue, reduces future oxidation and pitting and will not cause metal fatigue.

Also available in 1 gallon plastic containers (**AC-290**) or 5 gallon pails (**AC-292-5**)



AE-114 Sealpro 4 Penetrating Oil Net Wt. 11.75 ounce can

PENETRATES: Frees up nuts and bolts or any part frozen due to rust and corrosion.

DISPLACES MOISTURE: Starts wet engines. Displaces moisture in every part of an ignition system. Eliminates shorting caused by moisture when sprayed on spark plugs, wires, battery terminals and cable coils, inside of distributors, starters, generators and electrical motors.

LUBRICATES: Superior and long lasting lubricant for metal. Reduces wear, stops squeaks and deposits a microfilm on all moving parts. Cleans and degreases as it lubricates and protects.

RUST PROOFS: SEALPRO 4 deposits a protective film which will inhibit corrosion caused by moisture, salt water, acids, caustic cleaners and other chemicals. Harmless to automotive paints, rubbers and plastics.

USES: Automotive, aircraft, shipboard, plant maintenance, truck/trailer fleets, guns, sports equipment, electrical, electronics/relays, locks and latches.



AE-147 Red Grease Net Wt. 12.75 ounce can

Sealpro Red Grease is a superior quality multi-purpose grease that will maintain a constant viscosity over a wide range of temperatures (0°F to 350°F) and is a 100% waterproof. The reversibility (ability to return to original consistency after exposure to heat) allows this aluminum grease to not break down, harden, separate, or emulsify when subjected to excesses of heat and pressure.

Molecular structure of this aluminum complex grease is designed to resist oxidation during periods of no load. It prevents corrosion and is not affected by acids, alkalis or salt. Has outstanding lubricity.

USES: Industrial bearings, pillow blocks, U joints, motor shafts, truck and tractor fifth wheels, hinges, agricultural hitches, heavy equipment bearing surfaces, cables, striker plates, gears, linkage, pulleys, etc.



AE-113 PTFE Gel Penetrating Lubricant Net Wt. 13 ounce can

PTFE Gel Penetrating Lubricant is a transparent, high pressure lubricant with high adhesive strength. A unique combination of natural and synthetic lubricating agents, coupled with the high molecular weight polymer PTFE makes this product one of the best available for general lubricating purposes.

- High adhesive strength
- High dropping (tint withstands high temperature without melting)
- Maximum penetration
- Rapid, grease like setup
- Resists water washout, throw out and squeeze out from pressure, vibration or impact.
- Prevents rust & corrosion



USES: Door Hinges, Open gears, Wire Ropes, Chains and Sprockets, Conveyors, Sliding Metal Assemblies, Manifold Heat Valves, Marine Applications, Heavy Equipment, Turnbuckle and Threads, Winches and Hitches.

AE-124 Industrial Silicone Spray Net Wt. 18 ounce can

Sealpro Industrial Grade Silicone is a clear lubricant and preservative. This product aids in preservation, waterproofing, prevention of sticking and squeaks, stops rust and reduces wear of moving parts.

Sealpro Industrial Grade Silicone is specially formulated to leave a slippery continuous film that facilitates a wide range of applications. This long lasting coating is invaluable as a lubricant where petroleum oils cannot be used. As with any aerosol product, care should be taken to ensure compatibility with the item being sprayed by testing an inconspicuous area prior to application.



USES: Lubricant for coating conveyors, chutes, guides, fabric layout tables, door hinges, metal locks, windows and glue pots. Release agent for heat sealing applications. Prolongs the life of cutting plates and needles. Lubricates and renews rubber. Lubricates plastic gears, bearings, and slides. Stops squeaks and waterproofs.

AE-115 Spray Adhesive Net Wt. 13 ounce can

Sealpro Spray Adhesive is a fast setting, water resistant high solids adhesive that provides a strong and positive adhesion to a wide variety of materials such as paper, cardboard, cloth, glass, wood, etc. It will not soak or bleed through.

Uses: Cartons, wood, paper, most plastics, metal, rubber, cloth, labels, etc. It may also be used on 625B fiberglass rope, K Wool, ceramic tape and to hold non asbestos gasket material in place during assembly.



AE-154 Heavy Duty Anti-Rust Net Wt. 14 ounce can

Sealpro Heavy Duty Anti-Rust is an effective rust preventer even under the most severe conditions. It is a cut back type product that after evaporation of the solvent, leaves a durable film that adheres firmly to metal surfaces, is dry to the touch, does not flake, is self-healing when broken, and resists flow up to 175° F.

Uses: Industry: Protects tools, dies, machines. Excellent for machinery or parts stored outdoors or for protection of parts from corrosion during shipment.

Farm: Protects all equipment subject to humidity, salt and other corrosive elements. Will protect outside steel structures.

Marine: Protects shafts, boat trailers – all metal surfaces exposed to air, excessive humidity or salt water atmospheres.



AE-118 Spray Cutting Oil Net Wt. 12 ounce can

Sealpro Cutting Oil offers increased tool life with the additional advantage of applying the product directly when it is needed.

SealPro Spray Cutting Oil is specially formulated to increase tool life when applied to metals and alloys. Excellent for all pipe threading applications for better threads in shorter time, without distortion. Suitable for hard stainless steels, aluminum, brass and copper.

Technical Specifications:

- Appearance – brown liquid
- Viscosity at 100°F – 190 SUS
- Chlorine content % by weight – 0.66
- Sulphur content % by weight – 0.54
- Fat content % by weight – 2.7
- API Gravity at 60° – 25.9
- Weight per gallon – 7.49 lbs.



USES: Drilling, tapping, reaming, thread cutting, milling, grinding, boring, sawing and turning.

Sealpro cutting oil is available in bulk, in light or dark thread cutting oil.

AE-111 Copper Anti-Seize Net Wt. 12 ounce can

This exclusively formulated colloidal copper compound effectively “copper plates” mating surfaces. Use with cast iron, steel, stainless steel, nickel, copper, brass, titanium, non-metallic gasketing materials and plastic.

Saves time, mating surfaces join easier, and hold better. Prevents seizing and galling of threaded surfaces. Reduces costly stud breakage and down time. Reduces torque by reducing friction. Friction coefficient of 0.10 on steel nuts and bolts. Prevents rust and corrosion. Will not harden after heat-aging. Leaves no abrasive residue. Service temperature: -40°F to 2000°F (-40°C to 1093°C).

Also available in paste form: **AN-108** 16oz jar with brush top.



Sealants & Lubrication

TP-104 PTFE Paste (fluoropolymer) 16 ounce brush top plastic container
Available in single jars or 12 jar cases

Extreme duty thread sealing compound for use on all metallic and plastic pipe, except on ABS plastic. Sealpro PTFE paste is non-corrosive and is recommended for use on pipe joints, hydraulic and pneumatic fittings. Withstands up to 10,000 pounds psi pressure and operates at -200 F to 600 F. Not suitable for use on oxygen, fluorine, molten metals or alkali.



Typical Uses: Acids, air, ammonia, aliphatic solvents, brine, carbon dioxide, castor oils, diesel fuel oil, Freon, gasoline, heating oils, helium, hydraulic oils, inert gases (gaseous), petroleum solvents, propane, steam lines, sugar (liquid), water (hot or cold).

RT-021 SIL-BOND RTV 6500 Net Wt. 10.3 ounce tube
Also available 24 per case

SIL-BOND RTV 6500 is a high performance industrial grade silicone sealant. Used on fired heaters, flanged pipe, joints, access doors, moving oven belts, industrial ovens and boilers, plywood drying ovens, bag filter or smoke stacks, flues on gas appliances, bonding appliance parts, electrical/electrical equipment, caulking joints in sheet metal stacks and duct work. Temperature range 62°F to 500°F



RTV Silicone
8 ounce tubes available single cans or cases of 12

Red	RT-160
White	RT-162
Clear	RT-164
Black	RT-165

This product is a multi-purpose, single component adhesive sealant made of 100% silicone rubber which quickly adheres to most surfaces. It cures in 24 hours to provide a tough, resilient silicone rubber to handle hundreds of applications. RTV Silicone can be used for gasketing, sealing, bonding, insulating, caulking, encapsulating and coating. This flexible waterproof material resists shrinking, cracking, weather, ozone, chemicals, moisture, vibration and extreme temperatures ranging from -85°F to 450°F. Hi Temp Red to 500°F continuous to 600°F intermittent exposure. RTV Silicone will easily bond dissimilar materials. Provides excellent adhesion to clean metal, glass, and most types of wood, ceramic, porcelain, painted and many plastic surfaces.

RTV Silicone is USDA, UL and NSF approved. Meets F M Reg., No 21 CFR 177-2600 and MIL-A-46106 Specs, the equivalent of Dow Corning 732 & 736, GM, Ford and Chrysler specs. Patented pressure containers.



Copaltite Sealing Compound

CO-116-L 5 Ounce Liquid Tube

CO-118-L Liquid Quart Jar

CO-116-C 5 ounce Cement Tube

CO-118-C Cement Quart Jar

*****This product has the following minimum order quantities:**

Copaltite 5 ounce tubes: 6 Tubes

Copaltite quart jar: 2 jars

High temperature liquid compound is used on steam joints up to 2000 psi and 1200° F. Copaltite can also be used on flanges without the use of a gasket up to 6500 psi and on threaded joints up to 10,000 psi. May be used for connection of metal, ceramic, rubber and most plastics. Suitable where severe vibration and stresses are encountered. It is still possible to separate joints after extended use at high temperature when using Copaltite. Temperature range from -350°F to 1500°F on non-steam applications.

Copaltite is available in two forms:

Cement Form: Used for rough or scored surfaces. Also used as a gun grooving compound. It possesses anti-seize properties for very high temperature applications.

Liquid Form: Used for threaded and other machined connections. For close tolerances thin films of sealant are attainable. Although normally used without gaskets, liquid form makes an excellent gasket dressing.



Leak Lock Joint Sealing Compound

LL-219 1.3 ounce tube

LL-204 4 ounce bottle

A resin based, soft setting, brushable paste pipe joint compound resistant to all refrigerants, oils, water and most chemicals, liquids and gases.

- Use with pressures to 10,000psi to full vacuums
- Temperature range -200°F (-93°C) to 400°F (204°C)
- Never hardens or becomes brittle
- Ideal for joining all metals, plastics and other materials
- Will stick to all clean surfaces
- Prevents vibration from loosening nuts, bolts, plugs and fittings.
- Non-Toxic
- GUARANTEES A PERFECT SEAL...UNDER ALL CONDITIONS



PTFE Tape (fluoropolymer)

PTFE Tape is made of soft, pliable, pure, high density fluoropolymer, which results in more PTFE per inch of length. As such, it is the highest quality PTFE Tape and is easy to handle and apply. PTFE Tape is a universal thread sealant which can be used on all types of metal or plastic pipe threaded connections. Withstands pressure up to 10,000 psi (703kg/cm) with temperatures of -400°F to +500°F (-240°C to +260°C).

Applications include: All threaded connections, servicing chemicals, acids, alkalis, caustics, corrosives, fuels, gases, refrigerants and solvents.

Features and benefits: Not flimsy, like economy tape. Non-hardening. Remains flexible. Lubricates for easy assembly. Meets mil spec T-4773.

Premium Grade High Density Roll (1296" per roll)

1/4" **TT-150** (single roll) or **TT-150-12** (box of 12)

1/2" **TT-152** (single roll) or **TT-152-12** (box of 12)

3/4" **TT-154** (single roll) or **TT-154-12** (box of 12)

1" **TT-156** (single roll) or **TT-156-12** (box of 12)



Tape also available in gas line colors

TT-159YL –Yellow (1/2" x 260")

Friction Guard Synthetic Formula Lubricant

FG-104 4 ounce telescoping spout container sold individually or 12 per case (**FG-104-12**)

FG-116 16 ounce bottle sold individually or 12 per case (**FG-116-12**)

Friction Guard component is a surface metal conditioner that is added to oil or synthetic lubes. Forms a chemical bond that actually penetrates the pores of metal surfaces to create a remarkably strong film. Metal to metal contact is reduced by the film resulting in less friction, less wear, lower operating temperatures and increased equipment life. It is heat-stable, non-corrosive, soluble in oil and completely safe in all types of rotating and sliding equipment. Reduces the chance of catastrophic failure which is caused by accidental loss of lubrication. Tests have shown it also increased the lubricity of the oil measurably and increases horsepower and torque at all RPM.



Use in engines-gas-diesel-2 cycle, manual and automatic transmissions, gear boxes, generators, refrigeration units, compressors, drive shafts, pumps, reductions gears, differentials, air tools and all other rotating equipment.

Copper Anti-Seize

AN-108 16oz. jar with brush top

Also available in a case of 12

This exclusively formulated colloidal copper compound effectively "copper plates" mating surfaces. Use with cast iron, steel, stainless steel, nickel, copper, brass, titanium, non-metallic gasketing materials and plastic.

Saves time, mating surfaces join easier, faster and hold better. Prevents seizing and galling of threaded surfaces. Reduces costly stud breakage and down time. Reduces torque by reducing friction. Friction coefficient of 0.10 on steel nuts and bolts. Prevents rust and corrosion. Will not harden after heat-aging. Leaves no abrasive residue. Service temperature: -65°F to 1800°F (-54°C to 982°C).

Also available in aerosol form: **AE-111** 12oz. can



DynaPro SEALPLUS

Seal it once and forget it.

SEALS UNDER WATER - STOPS LEAKS IMMEDIATELY

DynaPro SEALPLUS is a proprietary, high molecular weight, one-part, elastomeric copolymer that has exceptional adhesion, elasticity and resistance to tearing, weathering and vibration.

Only **DynaPro Sealplus** contains elastomeric copolymers that quickly seal through water and oil films. Stops leaks immediately. Use in rain or standing water.

Use **DynaPro Sealplus** on all problem materials: TFE, Hypalon, rubber, stainless steel, galvanized metal, aluminum, ferrous and nonferrous materials, sheet metal, asphalt, glass, wood, stone, ceramic, concrete, plaster, masonry, plastics and all solid surfaces.

DynaPro Sealplus stays sealed in high vibration and expansion areas. Always remains flexible. Stretches over **500%**. Never becomes brittle. Reseals itself if the bead is broken. Excellent adhesive.

DynaPro Sealplus can be used over a wide temperature range. Stays sealed from -30°F (-34°C) to 220° (104°C).

Severe temperature changes will not break the seal. May be painted immediately.

- Seals Joints, Cracks & Holes in Concrete & Masonry
- Seals Leaks & Seams in Cooling Towers
- Seals Under Water and Oily Surfaces
- Stretches & Flexes — Never Cracks
- Stops Leaks Immediately
- One Part
- Easy to Use
- Resistant to Sunlight & Temperature



Seals under water!!

Use for:



HVAC Ductwork



Gutters & Downspouts



Marine



Concrete/Masonry



Roofing



DY-801 - 10.2 Oz (300 mL) Caulking Tube.
DY-820 – Case of (20) 10.2 Oz (300 mL) tubes.

Repair

Quick Fix Epoxy EP-204

Available as Single Tubes or Case of 12 Tubes

Quick Fix Epoxy is a hand mixable adhesive/sealant that hardens like steel in 20 minutes. It will patch holes and cracks and mend most anything that is broken. Excellent for rebuilding and fabricating parts. An all-purpose adhesive for metals, wood, glass, masonry, ceramics and many plastics.

Features and Benefits

Ready Stick Epoxy putty allows you the option of breaking off any portion and keeping the unused stick for future use.

Sets steel-hard in 20 minutes

- Adhesive bonding to metal, wood, glass and most materials
- Can be tapped, drilled, filed, sanded and painted
- Excellent for underwater repairs
- Applications Include: Plumbing repair, electrical repair, construction equipment, Auto/truck repair, home/shop repair, concrete pools, oil and water tanks, tools, sink and pipe joints, gas tanks and radiators
- Available in a single 4 ounce tube or case of 12 tubes



Ceramic Mechanical Repair

RP-CRL-B Ceramic / Blue Liquid

RP-CRL-R Ceramic / Red Liquid

RP-CRP Ceramic Alloy Putty



Ceramic alloy composite is finely divided alumina (as the wear resistant media) and micron range size graphite powder combination that forms a smooth, brushable liquid or a buttery putty. This system has exceptional strength, chemical inertness, and a slick, anti-friction work surface for long life abrasion control.

Both liquid and putty are mixed 1:1, have working time of 20 minutes, a cure time of 4-8 hours, and can be used up to 250°F. The liquid has a tensile strength of 6500 psi and an ultimate compressive strength of 17,500 psi. The putty has a tensile strength of 5800 psi and an ultimate compressive strength of 17,500 psi.

This system is used to rebuild pump casings and impeller blades, resurface flanges, reline valves and provide a smooth, non-corrosive glaze surface.

Stainless Steel Mechanical Repair

RP-SSP Alloy Putty

RP-SSL Alloy Liquid



Stainless Steel Mechanical Repair System is absolutely the smoothest handling strongest, most impact resistant steel rebuild system available. A truly premium combination of epoxy matrix and high grade stainless steel for precision and long term dimensional stability. The stainless steel system is available as a liquid and a putty. Both liquid and putty are mixed 1:1, has a viscosity of 6500 cps, a working time of 20 minutes and cure time of 4-8 hours. It can be used up to 225°F. The liquid has tensile strength of 4800 psi and an ultimate compressive strength of 18,000 psi. The putty has tensile strength of 4500 psi and an ultimate compressive strength of 18,000 psi.

This system is used to restore geometry, rebuild worn rings, refit keyways, repair hydraulic cylinders and for tooling.

Pipe Repair System

PR-204 2" x 4'

PR-212 2" x 12'

PR-284 4" x 12"



The Stop It® Pipe Repair System is a quick in-field solution for most leak repairs, pipe reinforcements and corrosion control situations. The FIX STIX™ epoxy is NSF certified and STOP IT® is WRAS approved for use on potable water lines. This product works on any metal or plastic pipe including steel, copper, aluminum, galvanized, black iron, PVC, CPVC, Fiberglass, polyethylene, polypropylene and PVDF. Recommended for pressure to 400 psi. Temperature continuous from -20°F to 250°F. Intermittent from 250°F to 500°F. Storage temperature from 40°F to 83°F.

Cleaners & Spill Cleanup

SEALPRO Emulsifier

EM-505 5 Gallon Pail

Heavy duty degreaser and cleaner that instantly and spontaneously emulsifies grease and oils. This non-polluting 100% biodegradable product is safe to use and USDA approved. It contains a powerful disinfectant which eliminates odors. Kosher approved.

Sealpro Emulsifier is a concentrated industrial grade cleaner and heavy duty degreaser so unique that a patent (US Patent No 4065409), has been granted for its synthetic action. Emulsifier may be used with conventional mop and bucket or can work as a spray application. Extremely effective when used with pressure washers and automatic scrubbers where cleaning solutions are only in contact for a few seconds and must act quickly. Contains no butyl, petroleum or chlorinated solvents.



Absorbent Poly Pads

PA-001-GR Gray Universal Poly Pads 18 x 18

PA-002-W White Oil Poly Pads 18 x 18

100 per bundle

Great for clean-up and maintenance in shops, factories, and job sites. The gray universal pad is great for water and most other fluids. The white, oil-only pad is specifically designed to repel water and to seek out and trap oil-based fluids, even absorbing oil spills in water.



“Deck Wash” Wood Cleaner

WS-DW-3 • NET WT. 3 LBS. (48 oz.)

Wash Safe Eco-friendly All Wood Cleaner: revolutionary 3-in-1 concentrated formula penetrates deeply to loosen dirt for easy cleaning. Combines brighteners to remove unsightly wood discoloration while easily and safely removing mold and mildew stains and dirt. Extraordinary cleaning power without harsh chemicals. Recommended to deep clean and prepare surfaces prior to applying any waterproofing or sealing product, staining or painting.

Uses: Decks, Shingle Siding and Roofing, Fencing, Log Cabins, Outdoor Furniture, Play Sets, Docks; Safe for Exotic Wood (Tiger Deck, IPE), Mahogany, Cedar, Teak, Fir, Bamboo, Pine, Pressure Treated and Composite Decking Safe to use on buildings with metal roofs, aluminum and vinyl siding and aluminum-clad windows.

- Prepares surface for sealing/staining
- Cleans up to 800 sq. ft.
- Free of chlorine, bleach, phosphates
- Environmentally safe/biodegradable
- Use around plants, grass or shrubs



“Concrete Wash” Concentrated Concrete Masonry Cleaner / Enhancer

WS-CON-3LB • NET WT. 3 LBS. (48 oz.)

Wash Safe Eco-friendly Concrete Masonry Cleaner: revolutionary 3-in-1 concentrated formula penetrates deeply to loosen dirt for easy cleaning. Combines brighteners to restore natural color while easily and safely removing mold and mildew stains, oil, grease, tire marks, dirt or grime from all concrete/masonry. Superior long-lasting formula provides extraordinary cleaning power without harsh chemicals. Recommended to deep clean and prepare surfaces prior to applying any waterproofing or sealing product.

Uses: All concrete / masonry surfaces

- Removes dirt, mold and mildew stains
- Degreases and removes oil stains
- Natural enhancers lighten and restore natural color
- Environmentally safe/biodegradable
- Cleans up to 800 sq. ft.
- Free of chlorine, bleach, phosphates
- Use around plants, grass or shrubs



Sphag Sorb - A lightweight, bio-degradable industrial oil absorbent.

SP-SS1 1.1 Cubic Feet
SP-SS2 2.2 Cubic Feet
SP-8QRT 8 Quart Size Small Bag

Sphag Sorb is an all-natural product manufactured from sphagnum peat moss, originating in the bogs of Canada. A lab tested, field proven industrial absorbent. Sphag Sorb outperforms all other types of absorbent materials.

Sphag Sorb solves the toughest cleanup problems with a complete line of environmentally safe, industrial absorbent products. Sphag Sorb meets or exceeds all applicable standards for effective cleanup and disposal of oil, gasoline, fuel, solvents and nearly every other organic chemical.



Sphag Sorb meets EPA standards for disposal in landfills. It will not leach and passes TCLP at ratios much lower than competing absorbents.

A high BTU value for incineration and lower volume of Sphag Sorb required means lower disposal costs. Reduces flammable vapors by 90%.

Available in loose fit bags, socks, pads and pillows.

SS-240 Sphag Sorb Socks

4" x 4' sock filled with Sphag Sorb, sealed in a plastic sleeve

SS-220 Sphag Sorb 18" x 18" pad (15/cs)

A non-toxic, nonabrasive natural product in an absorbent pillow.

SS-248 Sphag Sorb Spill Kit

Contents:

1 Water Resistant, Nylon Tote Bag
1 SS (3/4 Cu Ft Loose fill bag)
4 SS 18" x 18" Pad
2 SS 2" x 60 Sock
1 SS Disposal Bag (Heavy Duty)
1 SS Dust Mask

1 SS Glove (pr/Nitrile)

1 PI 500 (500ml Plug it)

Absorption: 8 to 12 gallons

SS-250 SS-14 SRK

14 Gallon Spill Kit w/ UN DOT Drum. Absorption: 12 to 14 gallons



Check out our aerosol section for more cleaning options!!!

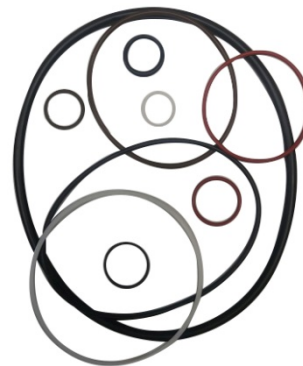
O-Rings and Seals

O-rings

Sealpro carries a large selection of O-rings in standard and metric sizes.

Our O-rings are available in the following compounds:

Nitrile (Buna-N)
Fluorocarbon (Viton)
Silicone
Ethylene Propylene (EPDM)
Neoprene
Polyurethane
(Please specify compound, Inner Diameter and thickness when ordering)

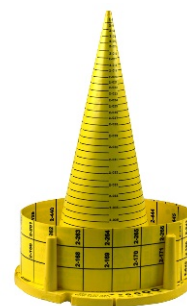


O-Ring Measuring Cones

OC-101 Large Cone

OC-102 Small Cone

A unique device for measuring O-Rings up to 8" ID. Use the base of the cone for determining the cross section of the O-Ring. Then simply drop the O-Ring over the cone and read the size number above the O-Ring. For O-Rings 3" to 8" in diameter place the coiled tape inside the O-Ring and expand it firmly. Read the size number that is clearly marked on the tape.



O-Ring Cord Kit

In addition to the standard and metric size O-rings carried in our inventory, Sealpro carries O-ring cord which allows fabrication of any size O-ring needed. Cord kits are available so you can make your own O-ring on the spot without the delay of waiting for shipping or the need to send a driver to make a pickup.

Kit contains the following:

7' of O-ring cord in each standard cross section (metric kit is 1 meter in 9 cross sections)
1 cutting jig
1 cutting blade
1 tube of adhesive



O-Ring Adhesive

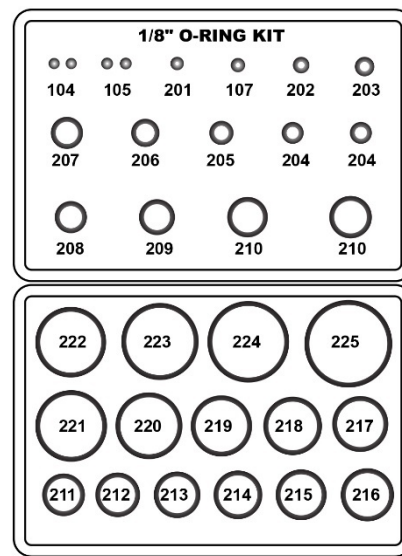
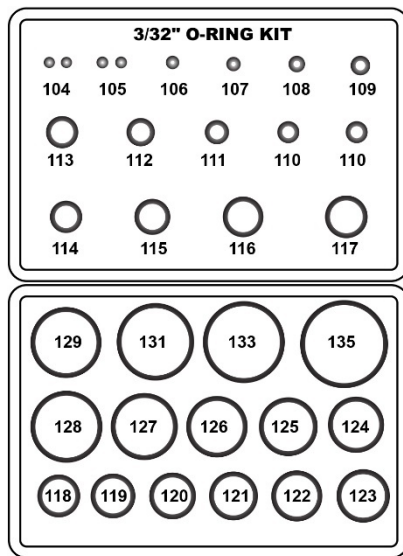
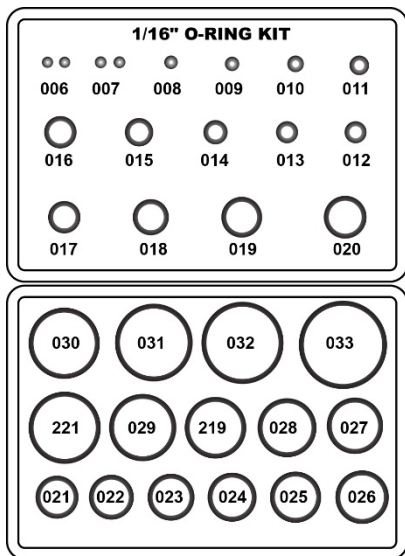
OG-107 20g Bottle

Aron Alpha adhesive is a general purpose, instant adhesive for bonding all types of elastomers and plastics.



O-Ring Kits

O-ring kits offer a compact, easy to reference solution for your O-ring needs. Kits are offered in a "standard" kit which covers common sizes and cross sections or larger, cross section specific kits. Our 3-Kit System offers a unique, easy to find O-ring system with over 86 different sizes from 1/8" ID to 1-15/16" ID covering standard cross sections of 1/16" to 1/8". The 3-Kit System has over 1300 O-rings in three easy to store cases, each with its own cross section. Kits are available in Buna and Viton. Other materials available on request.



OR-306 (Buna) / OR-314 (Viton)
1/16" O-Ring Kit (Contains 580 Pieces)

OR-304 (Buna) / OR-312 (Viton)
3/32" O-Ring Kit (Contains 395 Pieces)

OR-308 (Buna) / OR-316 (Viton)
1/8" O-Ring Kit (Contains 312 Pieces)

006	1/8-1/16	021	15/16-1 1/16
007	5/32-9/32	022	1-1 1/8
008	3/16-5/16	023	1 1/16-1 3/16
009	7/32-11/32	024	1 1/8-1 1/4
010	1/4-3/8	025	1 3/16-1 5/16
011	5/16-7/16	026	1 1/4- 1 7/8
012	3/8-1/2	027	1 5/16-1 7/16
013	7/16-9/16	028	1 1/8-1 1/2
014	1/2-3/8	219	1 5/16-1 9/16
015	9/16-11/16	029	1 1/2-1 5/8
016	5/8-3/4	221	1 7/16-1 11/16
017	11/16-13/16	030	1 5/8-1 3/4
018	3/4-7/8	031	1 3/4-1 7/8
019	13/16-15/16	032	1 7/8-2
020	7/8-1	033	2-2 1/8

104	1/8-5/16	119	15/16-1 1/8
105	5/32-11/32	120	1-1 3/16
106	3/16-3/8	121	1 1/16-1 1/4
107	7/32-13/32	122	1 1/8-1 5/16
108	1/4-7/16	123	1 3/16-1 3/8
109	5/16-1/2	124	1 1/4- 1 7/16
110	3/8-9/16	125	1 5/16-1 1/2
111	7/16-5/8	126	1 3/8-1 9/16
112	1/2-11/16	127	1 7/16-1 5/8
113	9/16-3/4	128	1 1/2-1 11/16
114	5/8-13/16	129	1 9/16-1 3/4
115	11/16-7/8	131	1 3/4-1 15/16
116	3/4-15/16	133	1 13/16-2
117	13/16-1	135	1 15/16-2 1/8
118	7/8- 1 1/16		

201	3/16-7/16	216	1 1/8-1 5/8
202	1/4-1/2	217	1 3/16-1 7/16
203	5/16-9/16	218	1 1/4-1 1/2
204	3/8-5/8	219	1 5/16-1 9/16
205	1/4-3/8	220	1 3/8-1 5/8
206	7/16-11/16	221	1 7/16- 1 11/16
207	1/2-3/4	222	1 1/2-1 3/4
208	9/16-13/16	223	1 5/8-1 7/8
209	5/8-7/8	224	1 3/4-2
210	11/16-15/16	225	1 7/8-2 1/8
211	3/4-1	104	1/8-3/16-3/32
212	13/16-1 1/16	105	5/32-11/32-3/32
213	7/8-1 1/8	107	7/32-13/32-3/32
214	15/16-1 3/16		
215	1 1/16-1 5/16		

Standard O-Ring Kit: **OR-302 (Buna) / OR-310 (Viton)**

System 3 Kit: **OR-303 (Buna) / OR-311 (Viton)**

O-Ring Tool Kit – TL-405

O-Ring Lube – OR-014

Our O-Ring Tool kit is used to help extract O-Rings that are still in place. Kit contains 3 picks. Two picks are brass and one is stainless steel. A special lubricant recommended for low pressure pneumatic and vacuum systems. Apply a generous amount of the lube to metal surfaces over which the O-Ring must slide



Mechanical Seals

Cartridge Seal

The EZ-1 welded metal Bellows Cartridge Seal has unique self-centering slide on and tight design that eliminates the need for prints, scribe lines or clips to remove. It is available with hard faces for abrasive applications. The design incorporates a flush port to bring fluid to the seal faces to provide lubrication, cooling and cleansing action. Glass filled Teflon retaining ring allows for easy startups and increased chemical resistance. EZ-1 fits small cross-section stuffing boxes and fits over 500 common pumps without modification. Only two secondary seals (O-rings). Viton standard with EPR and Teflon in the box for easy change out.



Split Seal

Type 3710 Cartridge Split Seal eliminates the need to dismantle any piece of equipment large or small. Its full split design can be installed in less than 30 minutes, either on the packing sleeve or directly on the shaft. The cartridge design eliminates any measuring or centering of the seal, making assembly easy, while assuring long seal life. Available with hard faces for abrasive applications. All O-rings and non-clogging finger springs are preinstalled. Height and centering is automatically set without measurements or need for dial indicator. Aligning seal faces halves is no longer a concern due to special retaining rings which hold perfect alignment.



RSD Type Seal

Replacement seals for rotating equipment including pumps, compressors, mixers, agitators, speed reducers and related equipment. The seal assembly maintains contact between the surface of the seal face and the mating stationary seal with spring pressure. Spring rates are checked at actual operating lengths. Parts which retain seal faces are held to $\pm .002^\circ$ tolerances. Stocks are backed by thousands of square feet of inventory. Most items are in stock. Out of stock items can be shipped from the factory the same day they are received.

Type A



Type B



Type C



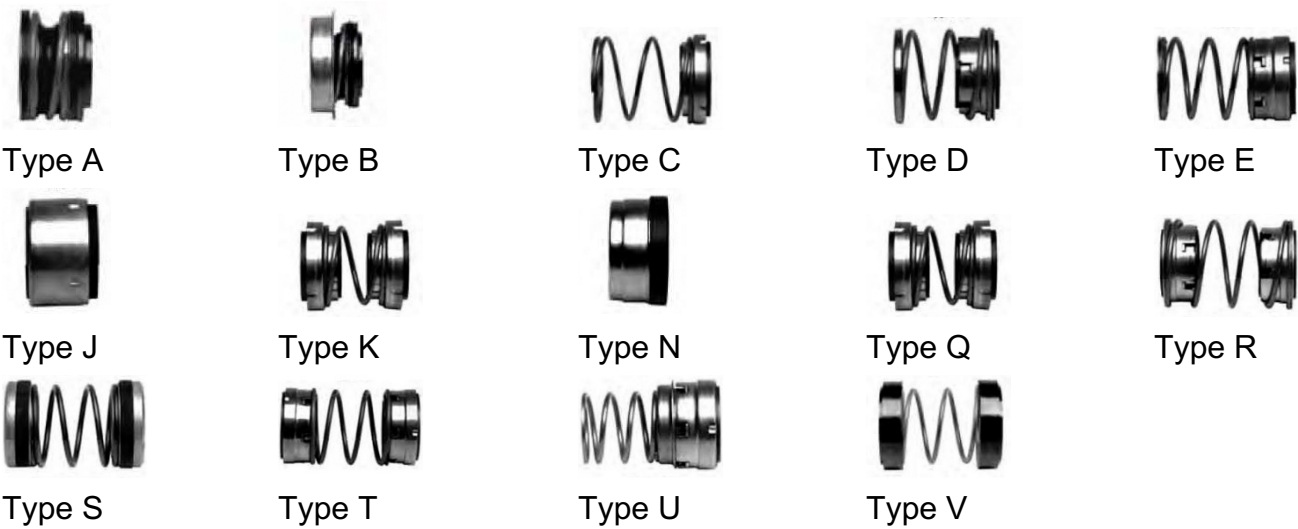
Bellows Seals

The type 680 series are high performance bellows seals for applications such as water, waste water and other general process fluids. These seals have no sliding secondary seals which eliminates the problem of seal face hang up, the major cause of failure of spring loaded seals. Effective contact of sealing faces is maintained and leakage to the atmosphere is minimized. By using a static secondary seal, damaging shaft or sleeve fretting and subsequent premature seal failure is avoided. Unlike springs, bellows seals are non-clogging and the durable design can withstand higher viscosity fluids and a higher concentration of solids.



The type 660 is ideal for general purpose application. Its alloy 20 bellows provides excellent corrosion resistance. May be used in temperatures from -100°F to 400°F , pressures up to 300 PSI and speeds up to 4500 RPM.

HEAD TYPES

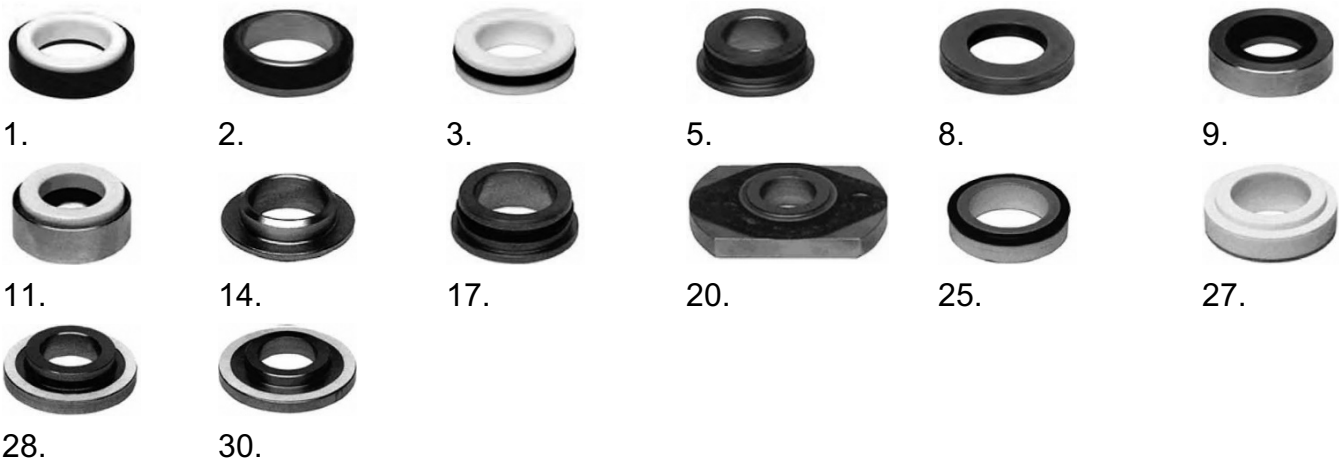


MATERIAL CODE

The Material Code is a five-character code, such as “BCFZF” which is defined by the following parameters. The first character specifies the Elastomer type, the second character specifies the washer type, etc.

<u>Elastomers</u>	<u>Washers</u>	<u>Metal Parts</u>	<u>Seats</u>	<u>Springs</u>
B. Buna	A. Bronze	D. Brass	G. Case Iron	E. Monel®
N. Neoprene	C. Carbon	E. Monel®	K. Ni-Resist	F. Stainless Steel
Q. EPR	H. Glass Filled TFE	F. Stainless Steel	L. Silicon Carbide	P. Plated Steel
V. Viton	L. Silicon Carbide	P. Plated Steel	J. Ceramic	
AFLAS®	M. Molded Plastic		S. Tooled Steel	
	S. Tooled Steel		Z. Tungsten Carbide	
	W. Micarta®			
	Z. Tungsten Carbide			

SEATS



Boiler Gasket Kits

Sealpro's selection of boiler kits cover the most commonly required for Cleaver-Brooks® boilers. We maintain an inventory of kits for the following boiler types (graphite kits are also available). Other specialty kits are available on request.

CB - Fireside Boiler Kits

Diameter	Horsepower	Kit Number
36"	15-40	BK-213
48" (before 1969)	50-100	BK-214
48" (after 1969)	50-100	BK-215
60"	125-200	BK-216
78"	250-350	BK-217
96"	400-800	BK-218



CBLE - Fireside Boiler Kits

Diameter	Horsepower	Kit Number
60"	125-200	BK-782
78"	250-350	BK0-780
96"	400-800	BK-781

Fireside kits typically contain the following (depending on model): Tadpole gaskets, segmented gaskets, sized insulation, fiberglass tape and rope, fastener clips, rivets and spray adhesive.

CB - Fireside Boiler Kits

Diameter	Horsepower	Kit Number	Contents
48"	50-100	BK-209	(7) 3-1/4" x 4-1/2" x 1/2" Topog-E® Handhole Gaskets* (2) McDonnel Miller 150-14 Water Column Head Gaskets**
60"-96"	125-800	BK-212	(1) Topog-E® 11" x 15" x 1-1/4" Manway Gasket* (6) 3-1/4" x 4-1/2" x 1/2" Topog-E® Handhole Gaskets* (2) McDonnel Miller 150-14 Water Column Head Gaskets**
60"-96"	125-800	BK-212A	(1) Topog-E® 12" x 16" x 1-1/4" Manway Gasket* (6) 3-1/4" x 4-1/2" x 1/2" Topog-E® Handhole Gaskets* (2) McDonnel Miller 150-14 Water Column Head Gaskets**

* Other gasket sizes & material types available on request.

** TFE can be substituted for non-asbestos for an additional charge.

Other Cleaver Brooks boiler kits are available on request.

Door and Burner Drawer Gaskets

Cleaver Brooks Door Gaskets

Door gaskets for Cleaver-Brooks boilers are available separately as well as in our kits. These door gaskets conform to OEM specifications for Cleaver-Brooks boilers.



Cleaver Brooks Burner Gaskets

Die-cut compressed, non-asbestos burner gaskets are available for all sizes of Cleaver-Brooks boilers. Gaskets stocked in sets as shown (4 piece segmented gasket).



Fiberglass Tape & Rope

Fiberglass Tape

(Sold by the roll. Specify width and thickness when ordering)
Available in 1/16", 1/8" & 1/4" thickness



Fiberglass Rope

(Sold by the foot. Specify width and length when ordering)
Available in thicknesses from 1/8" – 2"



Sealpro's selection of fiberglass tape and rope are available in a wide variety of diameters, widths and thicknesses. With temperature limits of 1000°F they meet a wide range of requirements such as electrical insulation, acoustical insulation, thermal insulation, filtration material, gasketing and laminates.

Fastener Clips FC-220

Split Rivets SR-218

Fastener clips and split rivets hold the outer, inner and rear door gaskets in place. Available in packs of 25.

Insulation

K-Wool

K-Wool is a strong, lightweight, flexible insulating material made from long ceramic fibers. The fibers are cross-locked through a unique forming process to produce a material with unexcelled handling strength. K-Wool is a resilient and highly efficient insulator having low heat storage capacity and complete resistance to thermal shock. K-Wool is unaffected by most chemicals, except hydrofluoric and phosphoric acids and concentrated alkalines. If wet by steam or water, thermal properties remain unaffected after drying. Characteristics: Excellent handling strength. Excellent hot strength. Low thermal conductivity. Low heat storage. Light weight resiliency. Thermal shock resistance. Excellent thermal stability. High heat reflectance. Good sound absorption. Excellent corrosion resistance.



Typical Physical Properties:

Color: White

Continuous Use Limit: 2300°F

Melting Point: 3200°F

Fiber Diameters: 2-3 Micron

Specific Heat (2000°F): 1130J/kg°C (.27btu/lb°F)

Specific Gravity: 2.73g/cm

KW-225 - 2" x 1" x 25' strip - 6 Rolls/Box

KW-304 - 3" x 1" x 25' strip - 6 Rolls/Box

Ceramic Blanket

Ceramic Blanket has the same properties as K-Wool and is supplied in larger sheets. Used to cover and insulate large boiler doors and large surfaces. Sold in 24" and 48" widths. Thicknesses available in 1/4", 1/2", 1", 1-1/2" and 2".

KW-061 - 24" x 2" x 12.5' blanket (25 Sq. Ft)

KW-062 - 24" x 1" x 25' blanket (50 Sq. Ft)



Handhole, Manway and Flange Gaskets

Please specify inner dimensions, flange width and “obround” or “elliptical” style when ordering. For spiral wound manway gaskets, also specify .175 or .250 thickness. For pipe flange gaskets, please specify diameter & flange weight (ex: 2” 150#).

TOPOG-E® GASKETS

TOPOG-E® molded rubber gaskets are used in boilers, water heaters and air tanks that use pressures to 180 psi and temperatures to 380°F. TOPOG-E® gaskets can be easily replaced without any chiseling or buffing of the surface.

Obround and elliptical sizes are available for both handhole and manway applications. Not available in sheet form.



GRAFOIL® DIE CUT GASKETS

Grafoil® Die Cut Gaskets are capable of sealing effectively at 5400°F in an inert atmosphere and up to 1250°F in steam. The gaskets are made from pure graphite flakes that have been exfoliated and formed into a sheet by applying extreme heat and pressure. The desired thickness is achieved by laminating thin sheets together using no chemical additives. Used in many places including heat exchanger gaskets, manifold gaskets, head gaskets and exhaust rings.

Available with or without SS insert.

BLUE MAX GASKETS

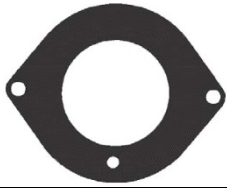
BLUE MAX Manufactured from proprietary tacky cloth of glass, synthetic fibers and brass wire, impregnated with blue elastomer compound. The material is cut and formed to the desired shape, then coated with a proprietary PTFE material per MIL SPEC T-27730A. The finished gasket is easily installed and removed. Test by major boiler manufacturers confirm that Blue Max gasket seal with zero leakage on steam to 450 PSI and on cold water hydro tests to 1500 PSI. Blue Max withstands working temperatures up to 500°F.

SPIRAL WOUND GASKETS

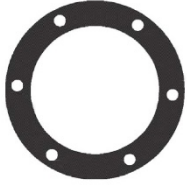
Spiral Wound Gaskets are manufactured by wrapping alternating layers of thin metal such as 304 stainless steel and soft gasket filler material such as non-asbestos material, ceramic, graphite or Teflon®. The chevron shaped profile of the gasket provides resilience and “spring like” characteristics that enhances the performance of the gasket. The shapes available are round, oval, obround, diamond, square and rectangle. Standard pressure is 0-999 PSI. Available to fit all standard boiler and pipe flange sizes.

Spiral Wound Gaskets are often used for manhole or handhole applications.

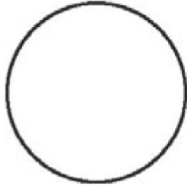
McDonnell Miller Gaskets



HEAD GASKET (92-68)
MM-370 (Part #323300)
For Products: 94 Series



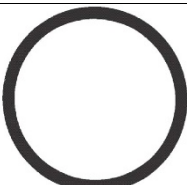
HEAD GASKET (847-26)
MM-372 (Part #335400)
For Products: Nos. 21, 847, 851, 851-S



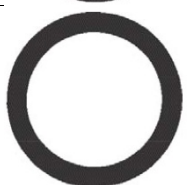
HEAD GASKET
MM-826 (Part #318826)
69 Series



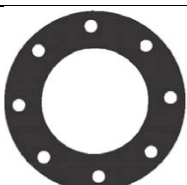
HEAD GASKET (CO-12)
MM-412 (Part #302600)
For Products: Nos. 42, 61, 63, 64, 65



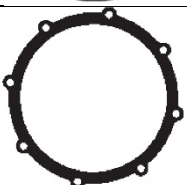
HEAD GASKET
MM-376 (F-26 Part #304100)
For Products: 51, 51-S, 551-S, 53, 25A, 221, 3155



**SERIES 150 AND 93 HEAD GASKET
FLAT FLANGE GASKET (150-14)**
MM-414 (Part #325400)
For Products: 150 Series



**SERIES 150 AND 93 HEAD GASKET
RAISED FLANGE GASKET (150-14H)**
MM-414-8 (Part #325500)
For Products: 150 and 93 Series



BODY GASKET (37-26)
MM-374 (Part #312700)
For Products: Nos. 47, 247



VALVE GASKET (37-28)
MM-346 (Part #312900)
For Products: 21 and 25 Series Nos. 3155, 515, 53

**GASKET (37-39)**

MM-348 (Part #313200)
Blow-Off Valve 14B, 47, 67, 70B

**VALVE BRACKET GASKET (37-27)**

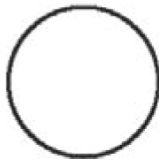
MM-377 (Part #312800)
For Products: Nos. 47, 247, 51, 51-S, 53, 3155, 551-S, 847, 851, 851-S

**VALVE BRACKET GASKET (21-27)**

MM-358 (Part #311100)
For Products: 21, 25A, 27W

**VALVE BRACKET COVER GASKET (355-73)**

MM-800 (Part #333800)
For Products: 3155

**BELLOWS BASE GASKET**

MM-827 (Part #318827)
69 Series

**BELLOWS FLANGE GASKET (67-12)**

MM-356 (Part #318800)
For Products: Nos. 61, 64, 67, 69, 70, 70B, 767

**BELLOWS BASE GASKET (CO-11)**

MM-354 (Part #302500)
For Products: Nos. 63

**RING SEAL (37-101)**

MM-342 (Part #324435)
For Products: New Type Misc. Valve & Strainer Assemblies (101A, 47, 51, 53, 847, 851, 551-S)

**GUIDE PLATE GASKET (355-16)**

MM-355 (Part #333600)
For Products: 3155

BOILER WATER LEVEL GAUGES

CHAIN LEVEL WATER GAUGES

GV-845

Lever on standard 12 foot chain allows operator to open and close valves that would be beyond reach. Valve stems operate on quarter turns.

Rated 250 psi @ 400° F and 500 psi at 500° F

For 1/2" pipe use 5/8" OD glass x 12" long

For 3/4" pipe use 3/4" OD glass x 16" long

Note: Service ratings are subject to pressure/temperature ratings of gauge glass.

- Use on large boilers with inconvenient columns
- Automatic and manual models
- Furnished with 12 feet of chain.

(Item are without glass and rods)



SQUARE PATTERN BRONZE WATER GAUGE

GV-810 – Standard

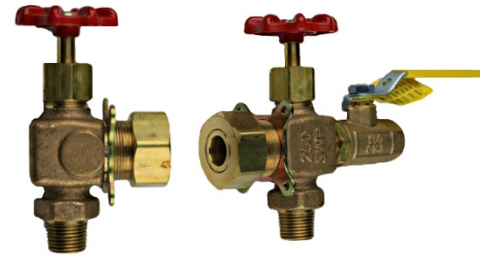
GV-820 – Heavy Duty

(Above items are sold without glass and rods)

Available with 1/2" (ASTM B-16 Brass Bar stock) or 3/4" (B-584 cast brass) NPT male pipe connections. EPDM gauge glass gaskets standard. Other packings available.

- Standard 1/4" needle chain valve in lower arm
- Pet cock or Apollo ball valve chain on request
- Ball checks and polished standard finish on some items.
- Rated 200 psi @ 400° F, 400 psi @ 100° F

Note*Service ratings are subject to pressure/temperature ratings of gauge glass.



(Shown with optional ball valve)

CHAIN OPERATED GAUGE

COCK

GVP-862

Chain Operated Lever Type

For use on water columns beyond reach from floor.

- Spring loaded lever
- Teflon seal
- Optional 6' chain
- Rated to 250 psi



COMPRESSION GAUGE COCK

GVP-855

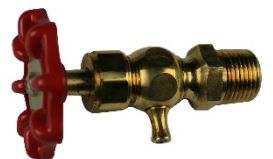
For draining expansion tanks and other liquid storage vessels.

Rated up to 125 psi

Soft metal seat/stuffing box

Stainless steel ball seat

stuffing box



Boiler Glass

Tubular Gauge Glass

Sealpro offers boiler gauge glass in 3/4" and 5/8" widths in both standard and heavy wall thicknesses. We can cut glass to any desired length. **Please specify glass diameter, length and style when ordering.**

GAUGE GLASS DIMENSIONS

CLEAR & RED LINE

RED LINE HEAVY WALL

O.D. +0", -1/32"	I.D. Nominal	WALL	O.D. +1/64, -3/64	I.D. Nominal	WALL
5/8"	7/16"	7/32" ± 1/64"	5/8"	1/4"	3/16" +3/64", -0"
3/4"	17/32"	3/32" ± 1/64"	3/4"	5/16"	7/32" + 1/16", -0"

CLEAR GAUGE GLASS



RED LINE GAUGE GLASS



RED LINE HEAVY WALL GAUGE GLASS



All glass tube's internal pressure exert a bending force on the tube and therefore, the longer the tube the higher the likelihood of breakage due to this bending. Also, where corrosive material such as steam is in the tube the wear on the tube further weakens its resistance to pressure. Red Line Heavy Wall is recommended for steam service.

Maximum recommended working pressure PSI for 5/8" OD and 3/4" OD glass at 150° F.

Length in Inches	Clear	Red Line	Red Line Heavy Wall
Up to 12	400 psi	330 psi	540 psi
Up to 24	315	260	520
Up to 3	240	200	450
Up to 48	190	160	305

Gauge Glass Washers

Sealpro stocks gauge glass washers in a multitude of sizes for whatever the application requires. Sold singly or in packs of 12.

Marvel EPDM Washers

(-65° to 350°)

MW-303 – Marvel #3 (5/8" x 7/8")

MW-707 – Marvel #7 (3/4" x 1-1/4")

(Most Marvel sizes stocked)



Brass Friction Rings

Standard sizes are 5/8" x 7/8" and 3/4" x 15/16". Other combinations are available. Sold singly or in packs of 12.

BR-058 – 5/8"

BR-075 – 3/4"

BR-316 – 1-3/16"



Marvel Washer Conversion Chart

Glass Size	Depth	Outer Diameter	Marvel Number
1/2"	9/32"	13/16"	1
1/2"	1/2"	7/8"	2
5/8"	9/32"	7/8"	3
5/8"	9/32"	1"	4
5/8"	3/8"	1-1/8"	5
3/4"	9/32"	1-1/16"	6
3/4"	13/32"	1-1/4"	7
3/4"	13/32"	1-5/16"	8
5/8"	9/16"	15/16"	9
3/4"	13/32"	1-5/8"	10
3/4"	13/32"	1-3/16"	11
9/16"	19/32"	27/32"	12
5/8"	9/32"	15/16"	13
3/4"	3/8"	1-1/8"	14
3/4"	1/2"	1-1/16"	15
3/4"	5/8"	1-5/16"	16
3/4"	5/8"	1-1/8"	17
9/16"	1/2"	1-3/32"	18
9/16"	9/32"	13/16"	19
11/16"	9/32"	1"	20
1/2"	3/8"	7/8"	21
3/4"	1/4"	1-1/4"	22
3/4"	3/4"	1-5/16"	23
3/4"	13/32"	1-3/32"	24
5/8"	15/32"	1"	25
1"	1/2"	1-5/8"	26
7/8"	13/32"	1-31/64"	27
1/2"	3/8"	1"	28
1/2"	5/16"	1"	29

Glass Size	Depth	Outer Diameter	Marvel Number
3/8"	1/4"	13/16"	30
3/4"	3/8"	1"	31
3/4"	1/4"	1-7/16"	32
3/4"	1/2"	1-1/8"	33
1/2"	3/8"	1-7/16"	34
5/8"	13/32"	1-5/16"	35
1-1/4"	1-5/16"	1-7/8"	36
5/8"	1/2"	1-1/4"	37
1"	1"	1-1/2"	38
3/4"	7/16"	1-1/8"	39
31/32"	3/8"	1-3/4"	40
3/4"	3/8"	1-3/8"	41
11/16"	7/16"	1-3/16"	42
3/4"	3/4"	1"	43
11/16"	3/8"	1-3/8"	44
3/4"	3/8"	1-3/8"	45
3/4"	1/2"	1-15/16"	46
3/4"	3/4"	1-1/16"	47
31/32"	7/16"	1-5/8"	48
1-1/4"	3/4"	2-1/4"	49
21/32"	1/4"	1-1/4"	50
11/16"	3/8"	1-1/8"	51
5/8"	3/8"	7/8"	52
3/4"	1/2"	1-1/4"	53
3/4"	7/8"	1-3/16"	54
7/8"	7/8"	1-3/4"	55
11/6"	13/32"	1-7/16"	56
3/4"	3/8"	15/16"	57

Molded EPDM

(-65° to 350°)

EW-761 – 5/8" x 7/8" x 3/8"

EW-762 – 3/4" x 1-1/4" x 3/8"

(Other sizes available)



Grafoil Washers

(Up to 800°)

GW-578 – 5/8" x 7/8" x 3/8"

GW-763 – 3/4" x 1-1/4"

(Other sizes available)



Butler Bevel Gauge Glass Seal - Made from TEFLON®

A premium gasket for steam/water service. Prevents cloudiness and erosion of OD gauge glass due to steam leakage bypassing top seal. Four pieces per package.

Selected sizes available:

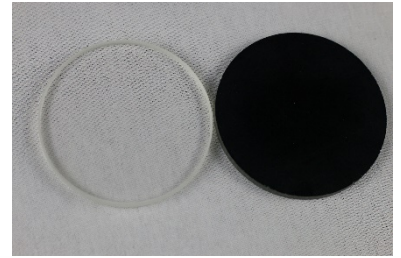
GB-770 – 3/4"

GB-780 - 5/8"



Observation Sight Glass

Round peep sight glass in a variety of widths and thicknesses. Clear and tinted glass available.



Glass Cutter

TL-102-GC

For material up to and including 1" OD. Accurate cutter chain is wrapped around tubing right at the point where the cut is to be made. Any length from 1/2" to several feet may be cut off.



Glass Brush

For cleaning glass. Standard brush length 21" overall for cleaning 3/8, 1/2, 5/8, 3/4 and 1 inch gauge glass. Specify brush diameter and length. Can be supplied to special longer lengths



Boiler Tube Cleaning Brush

Spring Grade Tempered Wire (double fill) / Male Thread
Available in several diameters



FLAT GAUGE GLASS

These glasses are designed for use in armored-type liquid level gauges. They are manufactured of borosilicate glass under carefully controlled conditions to provide a high strength tempered glass with the greatest degree of visibility. These glasses are available in sizes 1-9. The three basic types of gauge glass are noted below:

-**Type A, Plain** is designed for moderate pressure steam boilers and for liquid level indicators.

-**Type B, Reflex** is made for extra ease in locating liquid levels. This gauge glass has vertical prisms extending the full viewing length of the glass. The prism side faces the liquid. The sections off the prisms not covered with liquid reflect light brilliantly, thus the liquid level stands out extra clearly from a great distance away.

Corrosives:

The borosilicate glass used to manufacture these products is outstanding for chemical services. Certain limitations, however must be recognized.

Some materials reduce the useful life of the gauge glass by chemical action, eg: hydrofluoric acid (HF): hot concentrated phosphoric acid; sodium and potassium hydroxides above 125° F; steam or superheated water above 250° F. Except for HF, protection from reagents such as these may be supplied by using a mica shield to cover the glass.

Reflex glasses cannot be shielded.

Note: When these protective coverings wear out the entire assembly should be replaced.

Alkaline solutions attack glass very slowly at room temperature, but as temperature is increased to over 100° F the corrosive rate rises rapidly.

Gaskets in non-asbestos and grafoil are available for these glasses.

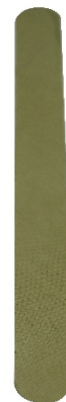
Type A Plain



Type B Reflex



Mica Shield



Refractory Cement

Carborundum

CA-020

High Temperature Refractory Cement

Carborundum mortar is used for laying and pointing fireclay or other alumina-based refractory brick work. It can be used in contact with most refractories at elevated temperatures and has a very strong set at low temperatures, making it effective for lower temperature applications. Because of its fine, smooth texture, it is well-suited for dipped joints. The shelf life for this mortar, particularly in hot weather, is very good compared to many other mortars.



Specifications Compliance

Federal SS-C-160A

Type III Grade U

Military: MIL -1-24244A*

ASTM: C195

Indicate on order when this compliance is required

Typical Physical Properties

Grain size 35F

Density (cast and fired) 113 lbs/ft³(1810kg/m³)

Maximum Hot Face Temperature 3000°F (1649°C)

Water added per 100 lbs (45.4 kg)

Troweling Use as received in pails

Dipping, brushing, spraying 4-8 pints (2-4 liters) (4-8%)

Set Time: Stiffens in 1 hour

The maximum use temperature stated is for continuous duty, “dry” heat, hot face service. Results may vary as affected by slags, hot metals, chemical fumes etc.

Kast ‘O-Lite Refractory Cement

KS-160 Kast ‘O-Lite 1600 High Temp Furnace Cement

A 1600°F (871°C) insulating castable with outstanding low density and very low thermal conductivity that can be applied by casting or gunning. 25 lbs. per bag.



KS-220 Kast ‘O-Lite 2200 High Temp Furnace Cement

A lightweight castable for temperatures to 2200°F (1205°C). It features low thermal conductivity and good strength for such a lightweight material. 50 lbs. per bag.

Packing and Sealing

Grafoil Ribbon Tape

GT-780 – 1/4" x 25' Roll

GT-782 – 1/2" x 25' Roll

GT-784 – 3/4" x 50' Roll

GT-786 – 1" x 50' Roll



Graphite tape is made from pure graphite. It has been pre-crinkled to allow ease in packing almost any high temperature valve. Once installed it forms an almost permanent high temperature valve stem packing for use in boiler control and pressure reducing valves.

It can also be used on rotary shafts, rising and rotating valve stems, soot blowers and high temperature flanges. Suitable for pH 1-14 pressure to 3000 psi and a temperature range from -400°F to 5000°F. In neutral atmosphere, to 1200°F in saturated steam and to 800°F in an oxidizing atmosphere.

Can be ordered with a PSA backing for easier installation on vertical or difficult surfaces.

Ribbon Tape Kits are also available

TFE Valve Stem Packing

VS-332 - 3/32" x 50' Spool

VS-532 - 5/32" x 25' Spool

VS-732 - 7/32" x 15' Spool

VS-932 - 9/32" x 9' Spool



Sealpro PTFE Valve Stem Packing is constructed of 100% PTFE core with a spiral covering of PTFE Tape. This pliability allows Sealpro PTFE Valve Stem Packing to conform to worn valve stems and stuffing braces and yet resist extrusion. When the TFE Valve Stem packing is wound around a valve stem, pushed into the stuffing box and compressed by tightening the gland nut. It is compacted into a high density packing. Once installed, a slight turn on the gland nut is all the maintenance that is usually required.

PTFE Valve Stem Packing is unaffected by all common chemicals, will not contaminate product flow, never hardens or adheres, and is completely inert. Eliminates the need for many different kinds of packing. Seals all liquids and gases from -450°F to 550°F.

Use in process lines in food and beverage operations, in chemical plants, refineries, paper mills and power plants.

PTFE Gasket Rope

TR-125 - 1/8" x 50' Roll
TR-187 - 3/16" x 75' Roll
TR-025 - 1/4" x 50' Roll
TR-038 - 3/8" x 25' Roll
TR-050 - 1/2" x 15' Roll
TR-055 - 5/8" x 15' Roll
TR-075 - 3/4" x 15' Roll
TR-001 - 1" – 15' Roll



PTFE expanded Gasket Rope is a form of gasketing material. It is soft “marshmallow” like cord that compresses to a thin, wide ribbon under pressure. It conforms easily to irregular flange surfaces, making discarding or re-machining of damaged flanges unnecessary. The smallest possible area is exposed to liquids and gases. You can bolt up once and not have to re-torque later. A thin strip of adhesive has been applied to the cord to hold it in place on a vertical surface. Since it is highly compressive, only light flange bolt pressure is required to seal. It is useful on plastic, glass and ceramic vessels. Pipe flanges part freely and surfaces need no scraping when the gasket is removed. No age deterioration. Resistant to all common chemicals and non-contaminating. Will withstand pressure to 3000 psi on both smooth and phonograph – finished steel flanges. Particularly useful for low pressure seals. Temperature limits -450°F to 600°F pH range 0-14.

Use with seals, heat exchangers, pump or compressor housing flanges, steam damaged flanges, manways and large diameter flanges, glass joints, concrete lids, fume ducts, fiberglass reinforced, plastic vessels, valve stems, bonnet gaskets, hydraulic systems and gear box gaskets.

PTFE Gasket Rope Kit #1

TR-768

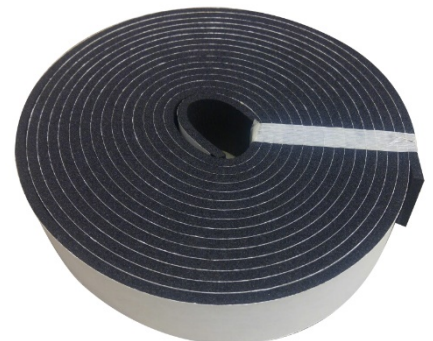
Contains one spool of 1/8", 1/4", 3/8" and 1/2" in an easy to dispense and easy to store package.



Closed Cell Sponge Rubber

(Please specify width and thickness when ordering)

Sold by the roll with or without PSA backing. Closed Cell Sponge Rubber is available in various widths and thicknesses. The technically correct term for Closed Cell Sponge Rubber is Expanded Rubber. The cells are like individual balloons, holding gas and not allowing moisture to pass through as long as the cell wall has not burst.



Mechanical Packing

Sealpro mechanical packing is sold in a variety of materials to fit your packing needs.

Packing is available on spools and sold by weights of 10 pounds, 5 pounds or 2 pounds.

Cross Section Sizes: 1/8", 1/4", 5/16", 3/8", 7/16", 1/2", 9/16, 5/8", 3/4", and 1"

Other cross sections may be available on request.



Style 402 Yellow Bee

Multi-Lok braid construction made from expanded PTFE/graphite and DuPont's Kevlar. A combination of Style 400 and Kevlar Aramid Fibers. This construction provides the strength of Aramid Fibers and the heat dissipating and lubricating qualities of GFO-fibers.

Limitations: Temperatures to 550°F/287C°, pH range 3-11, shaft speeds to 1900 FPM.

Equipment: Paper mill stock pumps, agitators, oils, solvent, pulping liquors, pulpers, steam and chemical mixers or any service where strength and good lubricating qualities are needed.

Style 400 Black Beauty

Multi-Lok braid construction made from expanded PTFE/graphite. Finely ground particles of the highest quality graphite encapsulated in a TFE matrix to eliminate graphite migration. Dissipates heat.

Limitations: Temperatures to 550°F/287C°, pH range 0-14, shaft speeds to 2000 FPM.

Equipment: All reciprocating or rotating shafts and valves, chemically corrosive applications and boiler feed pumps.

Thermabraid™ Flexible Graphite Packing

Thermabraid™ is a braided form of pure expanded graphite yarns with an exceptionally low organic content. This results in a long-lasting packing, featuring a low coefficient of friction, excellent heat transfer properties and exceptional chemical resistance.

Limitations: Max 2000° F (1100° C) in non-oxidizing environment. Max pressure: 2500 PSI for valves, 500 PSI for pumps. PH range of 0-14. Shaft Speed of 4000FPM max.

Equipment: For use in pumps and valves in petrochemical/refining, hydrocarbon processing, pulp and paper, power and other industrial applications.

Style 404 TFE Synthetic Packing

Multi-Lok braided yarn is impregnated with TFE to assure even distribution of the TFE fibers. The fibers are protected from chemical action and provide the packing with greater chemical inertness, lower coefficient of friction and prevents penetration of chemical fluids.

Limitations: Max 500° F (260° C) in non-oxidizing environment. PH range of 2-12. Shaft Speed of 2200FPM max.

Equipment: General service, rotating and reciprocating pumps, agitators, valves, caustics, difficult chemicals, mild acids, air, gasses, solvents, oils and general chemical applications.

Style 606 Carbon Yarn Packing

Multi-Lok construction. A combination of unique, amorphous carbon yarns treated throughout with fine particles of graphite. Excellent alternative where graphite yarn packings are too expensive.

Limitations: Max 650° F (345° C) in oxidizing atmospheres, 1200° F (650° C) in steam, pH 0-14 except in strong oxidizers, shaft speeds up to 2000 FPM.

Equipment: General service rotating and reciprocating shafts and high temperature valves. Use in all chemical services where carbon is suitable.

Stiff Packing Tools

TL-120H – Packing tool #7

TL-122H – Packing tool #8

TL-124H – Packing tool #9

These tools are constructed of hardened tool steel. They will never break when removing packing from stuffing boxes. May be used in any kind of stuffing box and will withstand the roughest treatment.



Valve Packing Extractors

TL-130B – Small

TL-132B – Medium

TL-134B – Large

TL-136B – X-Large

Designed to get into the most difficult areas. Manufactured from 1050 high carbon, heat treated steel. Handle grooves are designed to line up so that you get the best possible leverage from your wrist and thumb. The 15° and 30° angles will help give proper penetration around the shaft and into the packing gland. The set point will help reduce scratching or damaging the shaft or sleeve.



Flexible Packing Extractors

- TL-104** FN-00 – 6"
- TL-105** FN-01 – 7 1/2"
- TL-106** FN-02 – 11"
- TL-107** FN-03 – 14 1/2"
- TL-108** FN-04 – 19"
- TL-109** FN-05 – 24"

Used for strong pull packing removal. Design includes high strength aircraft cable, precision heat treated extraction worm and a tough rotary swaged assembly. The worm tips have a protective plastic coating. The tool has a large T-Handle that grips easily.

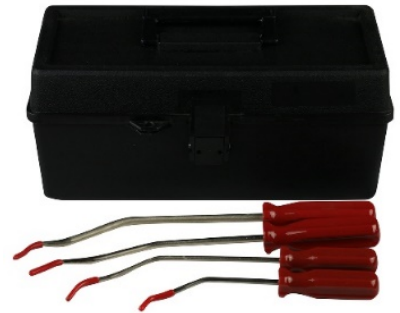


Packing Extractor Kits

Our valve packing extractors are also available in two convenient kit forms:

TL-138 Valve Packing Extractor Kit

Contains (4) valve packing extractors and (1) packing knife packaged in a small toolbox.



TL-161 Deluxe Packing Extractor Kit

Contains (3) flexible packing extractors, (3) packing picks, (2) valve packing extractors and (1) packing knife packaged in a small toolbox.

Shim Kits

AL-153A

Available in individual packs or kits in sizes from 3/8" to 2 1/4" bolt sizes. Pre-cut 304 stainless steel shims are free of burrs and permanently etched in inches and millimeters with the exact thickness to the nearest thousandth of an inch. Tab design provides for safe handling. Tying packs together for reuse is made easy by providing notches. Specially cut shims to print or sample are also available. Shim stock in 304 stainless steel, carbon steel, color coded plastic and brass are available in rolls and cut lengths. Other kits and sizes available.



Gasket Material

Style 610-VF Vegetable Fiber

Temperature: 250° F

Tensile Strength: 3000 PSI

Compressibility: 25-40%

Standard Width: 36" x 36"

Thickness: 1/64", 1/32", 1/16", 3/32", 1/8"

Tan in color for gasketing against water, gasoline, alcohol, lacquers, grease, oil, coal tar, ketones. Excellent grade of vegetable fiber saturated with glue – glycerin impregnate rendered insoluble by means of a tanning agent (formaldehyde) to give a strong, flexible packing. This can withstand bending around a rod with a diameter of twice the thickness of the material under test without cracking, breaking or excessive marring of the surfaces.



Style 660 Non-Asbestos Compressed

Temperature: 750° F

Pressure Limit: 1200 PSI

Tensile Strength: against grain (2000 PSI) average (3800 PSI)

Compressibility: @5000 PSI: 7-15%

Color: Green

Minimum Recovery: 50%

Standard Sheet: 60" x 60"

Thickness: 1/64", 1/32", 1/16", 3/32", 1/8"

Non-asbestos sheet for sealing against oils, solvents, fuels, mild acids, and mild alkalis. It can also be used for sealing of pipe lines containing oils, pumps, compressors and apparatus in chemical and petrochemical industries. The sheet is manufactured with synthetic fiber. NBR binders and a combination of resins.



Style 880 Premium Grade Non-Asbestos -

Temperature: 750° F

Pressure Limit: 1400 PSI

Tensile Strength: with grain (4800 PSI), against grain (2800 PSI) average (3800 PSI)

Compressibility: @ 5000 PSI: 7-15%

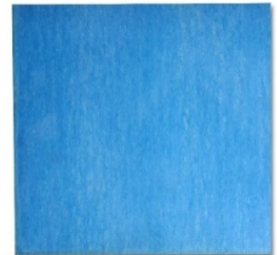
Color: Blue

Minimum Recovery: 50%

Standard Sheet: 60" x 60"

Thickness: 1/64", 1/32", 1/16", 3/32", 1/8"

Premium grade chemical sheet or sealing against oils, solvents, fuels, mild acids, and mild alkalis. It can also be used for sealing of pipe lines containing oils, pumps, compressors and apparatus in chemical and petrochemical industries. The sheet is manufactured with synthetic fiber, NBR binders and a combination of resins.



Style 900 Carbon Graphite Sheet

Temperature: 840° F

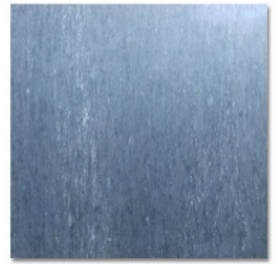
Pressure: 1450 PSI

Compressibility: @ 5000 PSI: 7-15%

Standard Width: 60" x 60"

Thickness: 1/64", 1/32", 1/16", 3/32", 1/8"

Recommended for sealing of water, steam, fuels, lubricants, alkalis and weak acids under high temperature and pressure. A high quality non-asbestos gasketing sheet. Style 900 is a compressed sheet has graphite and carbon fibers with a NBR (Nitrile) binder.



Style 990 Carbon Graphite with Wire Insert

Temperature: 750° F

Tensile Strength: with grain 5000 PSI against grain 3000 PSI (average) 4200 PSI

Pressure: 1450 PSI

Premium grade wire inserted sheet for sealing against fuels, oils, fats and lubricants. Style 990 is a compressed sheet composed of synthetic fibers with NBR binder and wire mesh insertion.

Thickness: 1/64", 1/32", 1/16", 3/32", 1/8"

Style 740 Silicone Sheet

Temperature Limit: -70° F to +500° F

Tensile Strength: 950

Finish: Smooth

Standard Width: 36"

Thickness: 1/32", 1/16", 1/8", 1/4"

Recommended for acetylene, air, ammonia, hot carbon monoxide, some acids, hydrogen, ozone, soap solutions, sodium hypochlorite, sulfur, brine and hot and cold water. This polysiloxane polymer contains no acid producing chemicals and is non-corrosive. Excellent high and low temperature resistance.



Style 750 Cork & Rubber

Standard Width: 36"

Thickness: 1/16", 1/8", 3/16", 1/4"

Cork & Rubber is made from high grade cork particle bound together with neoprene. The result is an oil resistant sheet with noise and vibration insulating properties. Used for light and heavy oils, grease, water, petroleum solvents and Freon.



Style 3000 PTFE Sheet

Temperature: 500° F

Finish: Smooth

Available Sizes: 2'x 2', 2' x 4', 3' x 3'

Standard Sheet Size 36: x 36"

Thickness: 1/16", 1/8", 1/4"



This is a highly stable material with uniform thickness and close overall tolerances. It can be machined, punched or stamped to produce such parts as washers, mechanical components, or gaskets. It can resist the severest of chemicals and is useful throughout the entire pH range of 0-14. The inherent qualities of Teflon with its low frictional characteristics and non-sticking surfaces make this material useful in a wide variety of applications.

Style 5000 Grafoil Sheet

Sheet sizes: 39" x 39" or 19" x 19"

Thickness: 1/16" or 1/8" Standard

Also available with SS foil insert or SS tang insert



Grafoil Sheet is capable of sealing effectively at 5400° F in an inert atmosphere and up to 1250 F in steam. This sheet is made from pure graphite flakes that have been exfoliated and formed into a sheet by applying extreme heat and pressure. The desired thickness is achieved by laminating thin sheet together using no chemical additives. Used in many places including heat exchanger gaskets, manifold gaskets, head gaskets and exhaust rings.

Style 700 Red Rubber

Temperature: 170° F

Tensile Strength: 400 PSI Min.

Meets: ASTM-D 1330, Grade 11

Finish: 700-R/Smooth 705-FR/Fabric

Standard Width: 36"

Thickness: 1/16", 1/8", 1/4"



Style 700-R is quality red rubber sheet made of highly filled non-oil resistant rubber compounds designed to resist flow under compression and is generally used for hot and cold water, low pressure steam, ammonia, air, gas, aqueous solutions and mild caustic soda to 250° F. 700-R has a smooth finish with no visible impressions, usually press or paper finish.

Style 715-DN Diaphragm Sheet

Temperature: 180° F
Tensile Strength: 1500 PSI
Pressure: 500 PSI Max
Finish: Smooth
Standard Width: 48"
Thickness: 1/16", 3/32", 1/8", 3/16", 1/4"



Neoprene sheet and a nylon cloth are combined for the advantages of oil and fuel resistance of the neoprene and additional stretch and strength qualities of nylon. Recommended for steam, gas, air, oil, water, solvents on regulators, diaphragm motors, reducing valves and fuel pumps.

Style 750-N Neoprene Sheet

Temperature: 170° F
Tensile Strength: 1000 PSI Min.
Pressure: 150 PSI Max
Finish: Smooth
Standard Width: 36"
Thickness: 1/32", 1/16", 1/8", 1/4"



Recommended for sealing oils, gasoline and petroleum solvents. Impermeable to most gases, propane, butane, hydrogen and air. This chloroprene composition has excellent weathering resistance, is flame retardant and has good oil resistance.

Style 725-EP Sealtite Sheet

Temperature: 212° F
Tensile Strength: 1000 PSI
Pressure: 150 PSI Max
Finish: Smooth
Standard Width: 36"
Thickness: 1/16", 1/8", 1/4"



Primary use is for mating flanges, boiler manhole and handhole flanges. Recommended for hot and cold water and steam. It is an excellent propylene polymer; displaying excellent resistance to ozone, oxygen and water. It also has excellent chemical resistance and will not dry out in stock.

Style 730 Viton Sheet

Temperature: -40° F to +400° F

Tensile Strength: 1500 PSI

Finish: Smooth

Standard Width: 36" (Also available in cord, extrusions and strips)

Thickness: 1/16", 1/8", 1/4"

Viton rubber is a copolymer of vinylidene fluoride and hexafluoropropylene. It has good resistance to most chemicals and commercial fluids. It has an outstanding ability to retain strength at elevated temperatures and to withstand embrittlement during long term heat aging. It has outstanding compression set with the ability to recover following deflection at 302° F to 400° F. Can withstand temperatures up to 599° F for short periods of time.

Gasket Punch Set

TL-202

This handy versatile set contains a threaded handle with a self-centering pointed plunger. The handle will accommodate nine interchangeable, threaded cutting tubes. These punches will cut nonmetallic material and soft metals.

The kit includes: 1/4", 5/16", 3/8", 7/16", 1/2", 5/8", 3/4", 7/8" and 1" punches.



Gasket Punch Set

TL-303

Includes 1/4" – 1-1/2" punches

Gasket Punch Set

TL-304

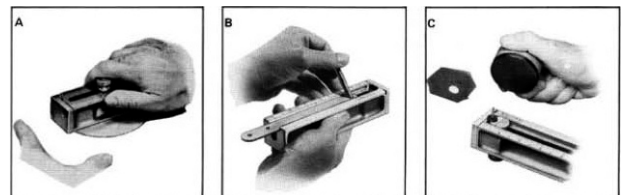
Includes: 1-1/8", 1-1/4", 1-3/8", and 1-1/2" punches



Allpax Gasket Cutter

TL-401

The Allpax Extension Gasket Cutter saves money and costly downtime by enabling anyone to cut accurate gaskets quickly and efficiently, on the job, when they are needed. Cuts all gasketing material including compressed, non-asbestos, cork, rubber, Teflon® and fiber. Cutting capacity is from 1/4" to 60" in diameter and up to 3/4" thick. An efficient and easy tool to use that eliminates waste and costly errors.



Protective Coatings

Dur-A-Guard

Dur-A-Gard is an all-purpose, colored, two component, 100% solid epoxy system that is rolled out as a coating to provide a smooth glossy and easily cleaned surface which is extremely durable. It resists abrasion, and penetration of moisture, oil, dirt, and a number of chemicals.

Dur-A-Gard contains no solvents and is almost odorless during application. It is available in ten colors (red, white, green, gray, light gray, yellow, blue, light blue, tile red and tan). The high gloss, tile-like finish is stain resistant and unaffected by oil, gasoline, grease, strong detergents, salt and most other substances commonly found in industrial environments.

Used in boiler rooms, mechanical rooms, warehouses, machine shops, kitchens, clean rooms, laundries, hospitals, basements, garages and other areas where a very tough floor is needed.

Dur-A-Gard can be installed over almost any sound substrate included, concrete, steel, wood, fiberglass, clay tile, stone and terrazzo. It sets up in 6 to 8 hours and can be re-coated if desired for a thicker coating.



Thickness of Coating Applied (1000 mils=1 inch)		Coverage per US Gallon 100% Solids System	
1/64 in	20 Mils	80	Sq. Ft./gal
	16 Mils	102	Sq. Ft./gal
	10 Mils	160	Sq. Ft./gal
	8 Mils	200	Sq. Ft./gal

Rust Destroyer

RU-DES-2 - 13 ounce aerosol (6 per case)

RU-DQT - 1 Quart 6 quarts per case

RU-DGL - 1 gallon 4 gallons per case



Rust Destroyer is the only patented rust converting paint primer engineered to be applied directly over rusted metal, new bare metal or rusted painted metal. It is guaranteed to stop rust up to five full years when applied in accordance to label instructions. Remove loose rust and apply two thin coats ten minutes apart to a dry film thickness of 3 mils per coat. One spray can covers approximately 15 square feet. Rust Destroyer is non-toxic and has been USDA and FDA approved. Heat resistant to 800°F.

Use on any rusted metal and also to prime metal where paint has been removed by welding or abrasion. This is an exceptional universal metal primer that can be used anywhere there is a need to stop rust from continuing on old steel or forming on bare or newly exposed steel, iron or sheet metal.

Polyval Moisture Cured Coatings

Polyval coatings are a revolutionary, high performance, single component, moisture cured urethane with a high gloss finish. They have excellent durability over concrete floors, steel, wood and may be applied over damp surfaces. This state of the art technology provides tenacious epoxy like adhesion to concrete. Suitable for a variety of substrates, including tightly adhered rust, galvanized steel, weathering steel, aluminum, fiberglass, wood and zinc rich primers without the limitations that epoxies would encounter during application and for years to follow.



- No humidity restrictions
- No dew point restrictions
- No induction time
- Does not become brittle with age
- Quick drying times in cold temperatures
- Can cure down to 20° F
- Water immersion 20 – 30 minutes
- Surface tolerant
- Minimum 20°F surface temperature
- Cannot amine blush
- Cure in one hour or less with AX-70 accelerator

Polyval coatings can be applied over tightly adhered coatings and require minimal surface preparations on most substrates. Most applications require two coats.

Polyur Concrete coating has been specially formulated to be 3 times more resistant than enamels or ordinary oil based polyurethanes for concrete. Polyur bonds directly to the concrete without a primer forming an ultra-resistant coating. This coating is virtually abrasion-proof and will not flake, crack or chip. Highly resistant to industrial chemicals, oils, calcium, gasoline and anti-freeze. Available in many colors including: Red, Grey, Beige and Clear.

Ameron Amerlock 400

Amerlock 400 is a high-solids, two part epoxy paint that is unsurpassed in performance in areas where complete penetration is difficult or impossible. It is an extremely versatile and durable maintenance coating. Amerlock 400 is available in a variety of colors including aluminum and therefore does not require a topcoat. For extended weatherability or special uses, a topcoat may be desired. Can be applied over rust and on damp surfaces.

Amerlock 400's low solvent level reduces the chance for film pinholing and solvent entrapment at the substrate/coating interface. Amerlock 400 is used in places where sand blasting is impractical or impossible. As a maintenance coating, Amerlock 400 protects steel structures in industrial facilities, bridges, tank exteriors, marine weathering offshore oil tanks, piping, roofs, water towers and other exposures. Amerlock 400 has good chemical resistance to splash and spillage, fumes and immersion in neutral, fresh and salt water.

Coverage: 250 sq. ft. @ 5 wet ml



Mechanical Packing

Braided Packing
Cut & Die Formed Rings
Packing Extractor Kits

Mechanical Seals

John Crane Mechanical Seals
Cartridge Seals—Outside Seals
Single Spring Seals
OEM Replacement Seals
Seal Repairs – All Types

Boiler Products

Fiberglass Hand Hole & Manhole Gaskets
Fiberglass Rope, Tape, Cloth & Tadpole Tape
Ceramic Rope & Tape (Temp to 2300°F)
Ceramic K-Wool Door Gaskets
Ceramic K-Wool Blanket
Cleaver Brooks Gaskets
Observation Glass – Clear & Tinted
Tube Brushes and Scrapers
Hi-Temp Furnace Cement
McDonnell Miller Gaskets

Gauge Glass & Assemblies

Red Line – Clear – Heavy Wall
Flat Glass
Type A Plain
Type B Fluted
Gasket & Mica Shields
Marvel & Regular Gauge Glass Washers
Gauge Cocks for Boilers and Tanks
Tri-Cocks
Chain Type Gauge Cocks (High Pressure)
Gauge Glass Protectors

Hydraulic & Pneumatics

Seals-O-Rings-Quad Rings
TFE Back Up Rings in all sizes
Buna-N-EPDM-Viton-Silicone
Single Cross Section & Standard Kits

Grafoil

Ribbon
Die Formed Rings
Thermabraid (Braided Grafoil)

Sheet Packing/Gaskets

Ring Gaskets
Die Cut Gaskets
TFE Gasket Rope
Spiral Wound Gaskets
Gasket Material (All Types)
Heat Exchanger Gaskets
Grafoil Gaskets

TFE Wedge Sets & Lantern Rings

Cleaners & Spill Cleanup

Oil Lift™ Oil Remover
Flubber Dust Oil/Grease Remover
Safety Solvent Cleaner
Electrical Contact Cleaner
TF Contact Cleaner (Plastic Safe)
All Purpose Cleaner
Scrubs Hand Cleaner
Non-Butyl Degreasers
Stainless Steel Cleaner
Sphag Sorb Organic Absorbent

Industrial Maintenance Products

Industrial TFE Tape & Paste
RTV Silicones
Flexible Sealants
Spray Adhesive
Precision Shims

Lubricants

Friction Guard
Friction Guard Glass
Penetrating Oil
Anti-Seize Paste & Spray
TFE & Moly Spray Lubes

Coating Products

Reparex Epoxy Repair System Kits
Concrete Floor Repair Kits
Epoxy Tank & Pipe Repair Kits
100% Solid Epoxy Flooring Systems
Rust Preventative Primers
EZ Skid Anti-Skid Systems