



## Product Guide

Leak Seal  
Soil Stabilization  
Slab Lifting  
Seawall Repair  
Manhole Repair  
Structural Repair  
Floor Repair & Protection  
Coatings  
Secondary Containment  
DOT Highway Bridges

[www.primeresins.com](http://www.primeresins.com)



## Our Background



**Pioneered** the use of polyurethane resins for sealing cracks in concrete and helped build that market.



The first to package polyurethane grouts in an easy-to-use Quick-Mix cartridge system over **30 years ago.**

## The Prime Resins Difference

Prime Resins is a leading manufacturer of chemical grouts, foams, adhesives and coatings for infrastructure repair & protection. We provide solutions for problems in structural repair, leak sealing, soil stabilization, slab lifting, structural repair, coatings/linings.

### What sets us apart?



**Technical expertise:** We were the first in our field to offer 24/7 technical support



**Turnaround time:** Many shipments go out same business day as the order.



**Training:** We provide on-site training, application assistance, project consultations, and training seminars at our headquarters.



**Great value:** We offer the best combination of product performance, expertise, and experience.



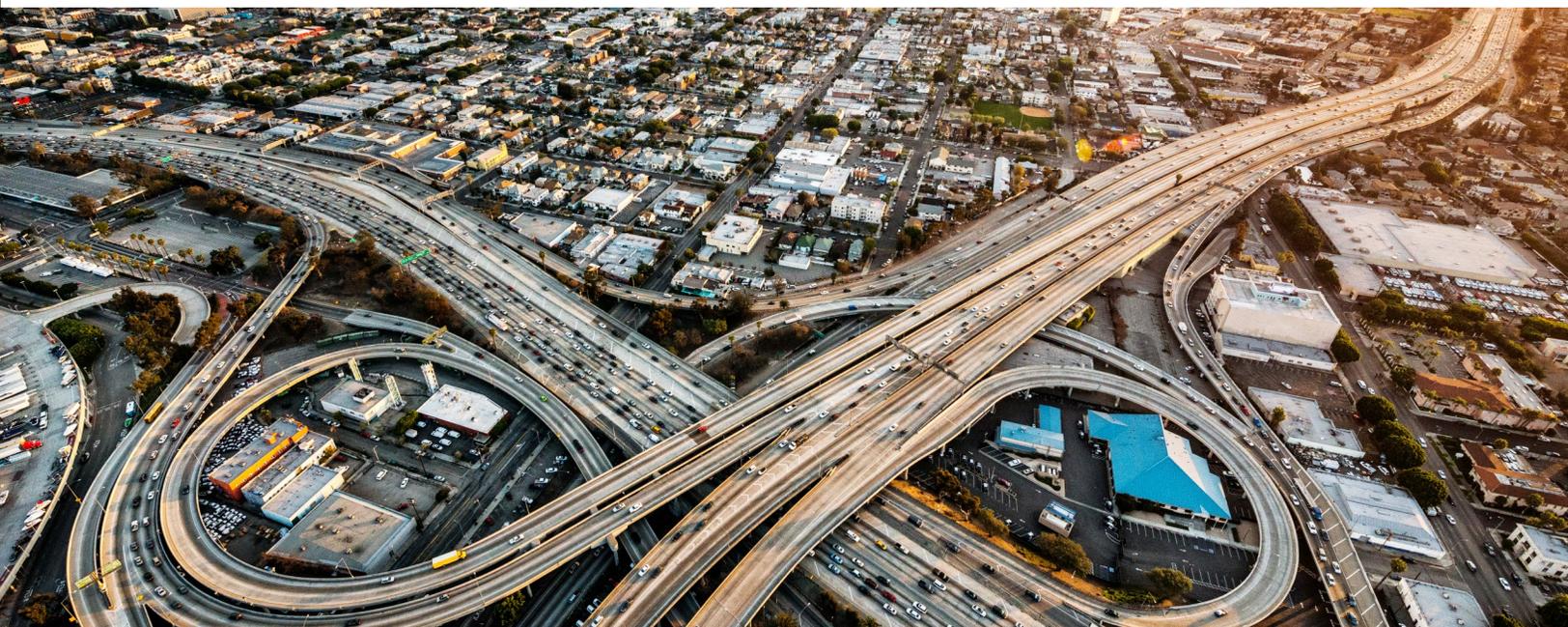
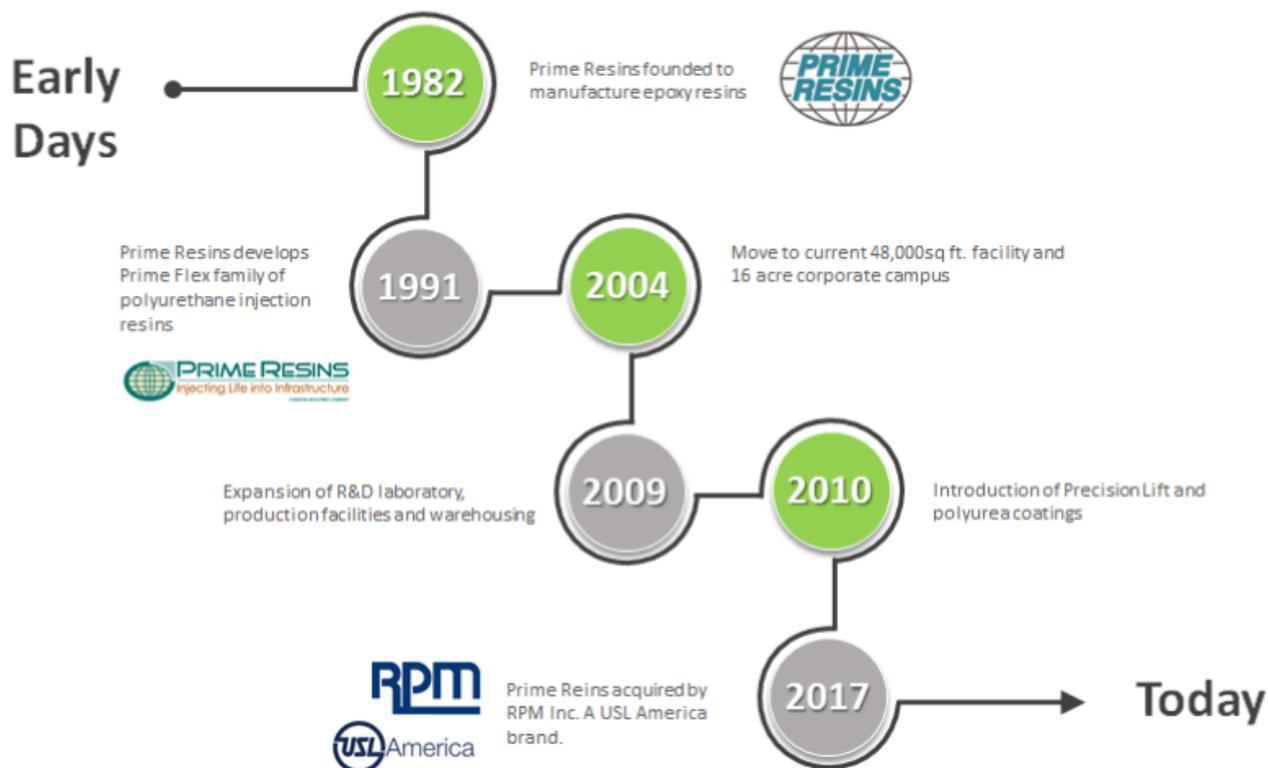
**Solutions focus:** We work as partners with our clients to determine causes and to find remedies for your challenges. We are available before and after a purchase to answer questions and support our clients. This approach is in the DNA of the company.

# Evolution of Prime Resins



Polyurethane and acrylate grouts, epoxy injection resins, and polyuria and mineral coatings from Prime Resins are optimally formulated to stop leaks, stabilize soils, lift slabs, protect or repair concrete structures, and protect pipes from corrosion and abrasion.

Producing these infrastructure repair solutions is a science, but applying them is an art. Choosing the right product and using the correct application technique are equally important in achieving desired results. Prime Resins has more than 35 years of experience helping customers get the job done. We can find a solution for you!



# Product Application Guide



See the following pages for product details that will help guide product selection. Feel free to call us at 800-321-7212 to discuss which product is right for your project.

	Prime Flex 900 XLV	Prime Flex 900 MV	Prime Flex Hydro Gel SX	Prime Flex 910	Prime Flex 920	Prime Flex 940	Prime Flex 985	Rock Grout 9200	Precision Lift™ 3.0#	Precision Lift™ 4.0#	Precision Lift™ 4.75#	Stain Shield	Prime Plug (1,2,3)	Prime Rez 1000 High Mod	Prime Rez 1100 High Mod LV	Prime Rez 1200 Low Mod
NSF/ANSI Standard 61 compliant for potable water	X					X										
Leak seal - hairline cracks	X				X											
Leak seal - gushing leaks		X		X	X							X				
Slab lift / Stabilize				X		X		X	X	X	X	X				
Void fill				X		X	X	X	X	X	X					
Soil stabilization		X	X	X	X	X	X									
Concrete crack repair													X	X	X	
Surface sealing cracks												X				X
Epoxy anchoring adhesive													X			X
Floor repair													X	X	X	
Bonding agent																X
Floor protection																
Concrete floor joint filler																
Coating - concrete protection																

Prime Mod LV	Prime Gel 2000 High Mod	Prime Gel 2500 Flexible	Speed Bond #1	Prime Bond 3000	Prime Bond 3000 Fast	Prime Bond 3900 High Mod LPL	Floor Fix	HydroLock	Prime Coat 4300 Novolac	Joint Coat CTL	Joint Shield 5000 Epoxy 80A	Prime Guard 5500 Polyurea 95A	PR10 ACLM	SoilLok	AR 800	AR 870	Pitchmastic PmB	DeckProtect+
							X								X			
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# Product Lines



Prime Resins has been formulating and manufacturing solutions for sealing leaks, stabilizing soil, lifting slabs, repairing and protecting concrete structures and floors, bonding and anchoring materials, and protecting and lining surfaces for nearly four decades.

Our products include polyurethane and acrylate chemical grouts, epoxies, and polyurea and mineral coatings. We offer a full range of products that are verified to meet NSF/ANSI 61 Standard for contact with potable water. Our products are packaged in containers that range from convenient Quick Mix cartridges to pails, drums, and plastic totes.

We also offer pumps, injection guns, ports, and the other accessories you will need for efficient completion of your projects and for optimal use with our products.

Product information and availability are subject to change.

Confirm current product information [www.primeresins.com](http://www.primeresins.com).



## Application - Slab Lifting (in the U.S, Precision Lift™ products not available through distributors)

Prime Flex polyurethane injection resins

	Product Description	Applications	Advantages
<b>Precision Lift™ 3.0#</b>	Two-component, closed cell, hydro insensitive, high density structural polyurethane foam. Density 3.1-3.6 lbs./ft. <sup>3</sup>	<ul style="list-style-type: none"> <li>Undersealing, stabilizing &amp; lifting concrete slabs</li> <li>Compaction grouting</li> <li>Filling voids behind pipes, walls, manholes etc.</li> </ul>	<ul style="list-style-type: none"> <li>Quick set time</li> <li>Hydro insensitive</li> <li>Precise lifting capability</li> <li>Efficient hydraulic lift</li> <li>Densifies soils</li> </ul>
<b>Precision Lift™ 4.0#</b>	Two-component, closed cell, hydro insensitive, high density structural polyurethane foam. Density 3.8-4.2 lbs./ft. <sup>3</sup>	<ul style="list-style-type: none"> <li>Undersealing, stabilizing &amp; lifting concrete slabs</li> <li>Compaction grouting</li> <li>Filling voids behind pipes, walls, manholes etc.</li> </ul>	<ul style="list-style-type: none"> <li>Quick set time</li> <li>Hydro insensitive</li> <li>Precise lifting capability</li> <li>Efficient hydraulic lift</li> <li>Densifies soils</li> </ul>
<b>Precision Lift™ 4.0# Slow</b>	Two-component, closed cell, hydro insensitive, high density structural polyurethane foam. Density 3.8-4.2 lbs./ft. <sup>3</sup>	<ul style="list-style-type: none"> <li>Undersealing, stabilizing &amp; lifting concrete slabs</li> <li>Compaction grouting</li> <li>Filling voids behind pipes, walls, manholes etc.</li> </ul>	<ul style="list-style-type: none"> <li>Slower set time</li> <li>Hydro insensitive</li> <li>Ideal for void filling</li> <li>Efficient hydraulic lift</li> <li>Densifies soils</li> <li>Low viscosity</li> </ul>
<b>Precision Lift™ 4.75#</b>	Two-component, closed cell, hydro insensitive, high density structural polyurethane foam. Density 4.5-5.0 lbs./ft. <sup>3</sup>	<ul style="list-style-type: none"> <li>Undersealing, stabilizing &amp; lifting concrete slabs</li> <li>Compaction grouting</li> <li>Filling voids behind pipes, walls, manholes etc.</li> </ul>	<ul style="list-style-type: none"> <li>Quick set time</li> <li>Hydro insensitive</li> <li>Precise lifting capability</li> <li>Efficient hydraulic lift</li> <li>Densifies soils</li> </ul>
<b>Precision Lift™ 6.25#</b>	Two-component, closed cell, hydro insensitive, high density structural polyurethane foam. Density 5.75-6.5 lbs./ft. <sup>3</sup>	<ul style="list-style-type: none"> <li>Undersealing, stabilizing &amp; lifting concrete slabs</li> <li>Compaction grouting</li> <li>Runways and industrial slabs</li> </ul>	<ul style="list-style-type: none"> <li>Quick set time</li> <li>Precise lifting capability</li> <li>Efficient hydraulic lift</li> <li>Densifies soils</li> <li>Low viscosity</li> </ul>
<b>Stain Shield</b>	Protects surfaces from resin and epoxy stains.	<ul style="list-style-type: none"> <li>Stain barrier</li> <li>Clean up solvent for Precision Lift products</li> <li>Ideal for slab lifting</li> </ul>	<ul style="list-style-type: none"> <li>Biodegradable</li> <li>Non-toxic</li> </ul>

Prime Flex polyurethane and acrylate injection resins

	Product Description	Applications	Advantages
<b>Prime Flex™ 900 XLV</b>	Extra low viscosity, single component, water-activated, hydrophilic, flexible polyurethane. Meets NSF/ANSI Standard 61 for potable water contact.	<ul style="list-style-type: none"> <li>Seal leaks in hairline cracks and joints</li> <li>Use with oakum to seal wide cracks, joints, gaps or defects</li> </ul>	<ul style="list-style-type: none"> <li>No catalyst required</li> <li>Pump straight from pail</li> <li>Flexible, tough foam</li> <li>Up to 600% expansion</li> </ul>
<b>Prime Flex™ 900 MV</b>	Medium viscosity, single- component, water-activated, hydrophilic, polyurethane resin.	<ul style="list-style-type: none"> <li>Seal leaks in medium to wide cracks and joints, pipe penetrations or expansion joints</li> </ul>	<ul style="list-style-type: none"> <li>No catalyst required</li> <li>Flexible, very tough</li> <li>Up to 600% expansion</li> </ul>
<b>Prime Flex™ Hydro Gel SX</b>	Low viscosity, single-component, water-activated, multi-ratio hydrophilic gel/foam polyurethane. Meets NSF/ANSI Standard 61 for potable water contact.	<ul style="list-style-type: none"> <li>Seal leaks in below-grade structures incl. utility vaults &amp; elevator pits; ideal for manholes</li> <li>Can be used to bind soil</li> <li>Crack injection leak seal</li> <li>Curtain grout manholes</li> </ul>	<ul style="list-style-type: none"> <li>No VOCs</li> <li>Versatile: foam or gel</li> <li>High elongation allows thermal movement</li> <li>Seals wide or tight cracks</li> <li>Resistant to chemicals</li> </ul>
<b>Prime Flex™ 985 LX 10 &amp; LX20</b>	Two-component, hydrophobic polyurethane expansive foam to fill voids, stabilize soil, underseal concrete slabs. LX 20 meets NSF/ ANSI Standard 61.	<ul style="list-style-type: none"> <li>Fill voids in, around and under structures; abandoned underground tanks &amp; pipelines</li> <li>Stabilize industrial floors and bridge approach slabs</li> <li>Pipe annulus space grouting</li> </ul>	<ul style="list-style-type: none"> <li>Ideal for wet conditions</li> <li>Binds with sub-soils</li> <li>Low exotherm</li> <li>High strength</li> <li>Regular and fast formulas available</li> </ul>
<b>Prime Flex™ 985 5.0</b>	Two-component, closed cell, high density structural polyurethane foam in easy-to-use cartridges.	<ul style="list-style-type: none"> <li>Undersealing &amp; stabilizing concrete slabs</li> <li>Fill voids behind pipes, walls &amp; manholes</li> </ul>	<ul style="list-style-type: none"> <li>High strength</li> <li>Low viscosity</li> <li>Hydro insensitive</li> <li>Binds with soil</li> </ul>
<b>Rock Grout 9200</b>	Two-component, low viscosity polyurethane forms a dense, structural hard fill material required for anchoring and binding aggregate/rock fissures.	<ul style="list-style-type: none"> <li>Rock gluing and/or stabilizing gravel</li> <li>Consolidating rock</li> <li>Not recommended for very wet soils</li> </ul>	<ul style="list-style-type: none"> <li>Low viscosity for good penetration</li> <li>Encapsulates &amp; stabilizes rock formations</li> <li>Watertight</li> </ul>
<b>Prime Flex™ 910</b>	Hydrophobic single- component polyurethane, super low viscosity, water-activated to form a rock hard, watertight mass. Requires catalyst.	<ul style="list-style-type: none"> <li>Permeation grouting and stabilization</li> <li>Void fill and curtain grout of seawalls</li> <li>Sinkhole remediation</li> </ul>	<ul style="list-style-type: none"> <li>Better penetration in fine soils</li> <li>Vary set time by catalyst ratio</li> <li>Forms watertight mass</li> <li>Pumped as single component</li> <li>Up to 2900% expansion</li> </ul>
<b>Prime Flex™ 920</b>	Hydrophobic, low viscosity, highly expansive, water activated polyurethane. Forms a watertight, rigid foam. Meets NSF/ANSI Standard 61 for potable water contact. Requires catalyst.	<ul style="list-style-type: none"> <li>Seal gushing leaks in structures not subject to movement</li> <li>Permeation grouting</li> <li>Curtain grouting pipe joints, manholes, tunnels, seawalls, etc.</li> <li>Void filling</li> </ul>	<ul style="list-style-type: none"> <li>Vary set time by catalyst ratio</li> <li>Forms watertight curtain</li> <li>Pumped as single component</li> <li>Up to 2900% expansion</li> </ul>
<b>Prime Flex™ 940</b>	Hydrophobic, super low viscosity, expansive polyurethane. Reacts with water, forms a watertight flexible foam. Meets NSF/ANSI Standard 61.5 for potable water contact. Requires catalyst.	<ul style="list-style-type: none"> <li>Cutting off gushing leaks in concrete subject to movement or vibration</li> <li>Void filling where flexibility is needed</li> </ul>	<ul style="list-style-type: none"> <li>Highly expansive with rapid set time</li> <li>Vary set time by catalyst ratio</li> <li>Flexible</li> </ul>
<b>Prime Kat / Kick Fast</b>	Our proprietary catalysts used to adjust the reaction time of our hydrophobic polyurethane injection resins, including Prime Flex 910, 920 and 940. Prime Kat is used in a concentration between .5% to 10%, depending on the desired reaction time. Kick Fast is needed when a very fast set time is desired such as in extremely cold water or with high hydrostatic pressure.		
<b>PR10 ACLM</b>	Super low viscosity acrylamide grout that yields a gel upon reaction. Available as granules or liquid, the grout solution is as thin as water, allowing PR10 to follow infiltrating water for sealing leaks or to deeply penetrate soils for soil stabilization.	<ul style="list-style-type: none"> <li>Manholes</li> <li>Mainlines of sanitary and stormwater systems</li> <li>Pipe penetrations</li> <li>Lateral connections</li> <li>Mining launch pits / lift stations</li> </ul>	<ul style="list-style-type: none"> <li>Super low viscosity</li> <li>Gel time adjustable from seconds to hours</li> <li>Economical water barrier / soil stabilizer</li> </ul>
<b>AR800</b>	Acrylate, super low viscosity, hydrophilic grout that produces an elastomeric gel with variable set times. Low toxicity acrylamide substitute for leak seal and soil stabilization. Meets NSF/ANSI Standard 61 for potable water contact.	<ul style="list-style-type: none"> <li>Mainline and lateral sewer grouting</li> <li>Curtain grouting</li> <li>Water control in tunnelling operations</li> <li>Permeation grouting</li> </ul>	<ul style="list-style-type: none"> <li>Uses same equipment as acrylamide grouts</li> <li>Very low viscosity</li> <li>Soap and water clean-up</li> <li>Broad range of set times</li> </ul>
<b>AR870</b>	Acrylate, super low viscosity, hydrophilic grout that produces an elastomeric gel with variable set times. Low toxicity acrylamide substitute for leak seal and soil stabilization.	<ul style="list-style-type: none"> <li>Water control in tunnelling operations and below-grade vaults, walls, floors, elevator pits</li> <li>Crack injection leak seal</li> </ul>	<ul style="list-style-type: none"> <li>Uses same equipment as acrylamide grouts</li> <li>Soap and water clean-up</li> <li>Broad range of set times</li> </ul>
<b>Prime Plug 1 Prime Plug 2 Prime Plug 3</b>	Prime Plug 1 Set time: 1 - 2 minutes Prime Plug 2 Set time: 3 - 4 minutes Prime Plug 3 Set time: 5 - 6 minutes	<ul style="list-style-type: none"> <li>Water stop in concrete or brick masonry prior to resin injection</li> <li>Plug injection drill holes</li> </ul>	<ul style="list-style-type: none"> <li>Rapid setting</li> <li>Excellent bond strength</li> <li>High early strength</li> <li>Different set times</li> <li>Non-shrink</li> </ul>

Hydraulic cement

Epoxy injection resins

	Product Description	Applications	Advantages
<b>Prime Rez™ 1000 High Mod</b>	Two-component, low viscosity (250-350cps), high-strength, high modulus epoxy for structural repair. 13,300 p.s.i. compressive strength.	<ul style="list-style-type: none"> <li>Inject cracks in load bearing structures</li> <li>Gravity feed cracks in concrete</li> <li>General purpose adhesive</li> </ul>	<ul style="list-style-type: none"> <li>Excellent bond strength</li> <li>Moisture insensitive</li> <li>Good chemical resistance</li> </ul>
<b>Prime Rez™ 1100 High Mod LV</b>	Two-component, low viscosity (140-160 cps), high-strength, high modulus epoxy. 8,500 p.s.i. compressive strength.	<ul style="list-style-type: none"> <li>Inject tight cracks in concrete</li> <li>Gravity feed cracks in concrete</li> </ul>	<ul style="list-style-type: none"> <li>Can be injected under water</li> <li>Excellent bond strength</li> <li>Good chemical resistance</li> </ul>
<b>Prime Rez™ 1200 Low Mod LV</b>	Two-component, semi-rigid, very low viscosity (70-90 cps); 6,100 p.s.i. compressive strength.	<ul style="list-style-type: none"> <li>Inject hairline cracks in concrete subject to vibration or movement</li> <li>Gravity feed cracks in concrete</li> </ul>	<ul style="list-style-type: none"> <li>Excellent flexibility</li> <li>Excellent bond strength</li> <li>Good chemical resistance</li> </ul>

Epoxy adhesives

<b>Prime Gel 2000 High Mod</b>	Smooth two-component epoxy paste adhesive for vertical or overhead uses.	<ul style="list-style-type: none"> <li>Surface seal cracks</li> <li>Anchor steel into concrete</li> <li>General bonding</li> </ul>	<ul style="list-style-type: none"> <li>Moisture insensitive</li> <li>Excellent bond strength</li> <li>Good chemical resistance</li> </ul>
<b>Prime Gel 2200 Flexible</b>	Smooth, flexible, two-component epoxy paste for vertical or overhead uses.	<ul style="list-style-type: none"> <li>Surface seal moving cracks</li> <li>Fill vertical saw cut joints</li> <li>Vertical and overhead uses</li> <li>Culverts, pipe joints</li> </ul>	<ul style="list-style-type: none"> <li>Very flexible</li> <li>Flexible to 40°F (4°C)</li> <li>Moisture insensitive</li> <li>Good chemical resistance</li> </ul>
<b>Prime Gel 2500 Quick Bond</b>	Very fast-setting, strong, two-component non-sag gel adhesive.	<ul style="list-style-type: none"> <li>Surface seal cracks prior to injection</li> <li>Anchor steel into concrete</li> <li>Good for vertical and overhead uses</li> </ul>	<ul style="list-style-type: none"> <li>Very fast setting</li> <li>Cures at sub zero temperatures</li> <li>Moisture insensitive</li> <li>Good chemical resistance</li> </ul>
<b>Speed Bond #1</b>	High strength, fast-setting, two-component flowable epoxy gel adhesive to anchor dowel bars, anchor bolts, rods and pins into concrete.	<ul style="list-style-type: none"> <li>Anchor steel into concrete</li> </ul>	<ul style="list-style-type: none"> <li>Flowable gel</li> <li>Excellent bond strength</li> <li>Moisture insensitive</li> </ul>

Epoxy binding agents / binders

<b>Prime Bond™ 3000 High Mod</b>	Two-component, medium viscosity, high-strength. Used for bonding new concrete to old or mixed with dry sand to make a repair mortar.	<ul style="list-style-type: none"> <li>Bond old concrete to new concrete &amp; anchor steel into horizontal concrete</li> <li>Binder for high strength repair mortar and machinery base plates</li> </ul>	<ul style="list-style-type: none"> <li>Moisture insensitive</li> <li>Excellent bond strengths and good chemical resistance</li> <li>Easy 1:1 mix ratio</li> </ul>
<b>Prime Bond™ 3000 Fast</b>	Two-component, fast-setting, medium viscosity, high-strength. Used for bonding new concrete to old or mixed with dry sand to make a repair mortar.	<ul style="list-style-type: none"> <li>Bond old concrete to new concrete</li> <li>Anchor steel into horizontal</li> <li>Binder for high strength repair mortar and machinery base plates</li> </ul>	<ul style="list-style-type: none"> <li>Cures tack-free 45% faster than 3000 High Mod</li> <li>Moisture insensitive</li> <li>Excellent bond strength and good chemical resistance</li> </ul>
<b>Prime Bond™ 3900 High Mod LPL</b>	Long pot life, medium viscosity, high strength bonding agent.	<ul style="list-style-type: none"> <li>Bond old concrete to new concrete in hot environments</li> <li>Binder for epoxy mortar</li> </ul>	<ul style="list-style-type: none"> <li>Medium viscosity</li> <li>Good chemical resistance</li> <li>Long working time</li> <li>High strength</li> </ul>
<b>Floor Fix</b>	Two-component urethane resin to mix with kiln-dried sand for a floor repair mortar that is traffic ready in 10 minutes.	<ul style="list-style-type: none"> <li>Crack and spall repair for warehouse and industrial floors, including freezers</li> <li>Binder for repair mortar</li> </ul>	<ul style="list-style-type: none"> <li>Flowable consistency</li> <li>Excellent bond strength and chemical resistance</li> <li>Fast set time</li> </ul>

Epoxy coatings

	Product Description	Applications	Advantages
<b>Prime Coat™ 4300 Novolac</b>	Two-component, 100% solids, phenolic-novolac epoxy resin coating.	<ul style="list-style-type: none"> <li>• Primary or secondary containment of solvents and other harsh chemicals</li> <li>• Battery charging station</li> </ul>	<ul style="list-style-type: none"> <li>• High chemical resistance</li> <li>• Moisture insensitive</li> <li>• Resists most solvents: 98% sulfuric acid, 70% nitric acid</li> </ul>
<b>Prime Coat™ CTL</b>	Black, high build, two-component, coal tar modified epoxy coating for concrete, steel or wood.	<ul style="list-style-type: none"> <li>• Exterior coating for precast concrete</li> <li>• Protection of manholes, tanks, lift stations, wood poles</li> </ul>	<ul style="list-style-type: none"> <li>• Excellent adhesion</li> <li>• Easy to apply (roll, brush or spray)</li> </ul>
<b>HydroLock</b>	Low VOC, water-based epoxy primer/sealer, two-component, for concrete, masonry, wood and metal.	<ul style="list-style-type: none"> <li>• Prime concrete, wood and steel</li> </ul>	<ul style="list-style-type: none"> <li>• Good chemical resistance</li> <li>• High bond strength</li> <li>• Reduces off gassing</li> <li>• Reduces surface defects of top coat</li> </ul>

Epoxies / polyureas

<b>Joint Shield™ 5000 Epoxy 80A</b>	Heavy duty, semi-rigid joint filler that can handle forklift and other heavy traffic.	<ul style="list-style-type: none"> <li>• Protect concrete joint edges, prevent sidewall spalling</li> <li>• Fill cracks in concrete floors</li> <li>• Rout, fill random cracks</li> </ul>	<ul style="list-style-type: none"> <li>• Prevents side wall spalling</li> <li>• Easy 1:1 mix ratio</li> <li>• Self levelling</li> <li>• Flows into joints 1/16" and up</li> </ul>
<b>Joint Shield™ 5200 Conduit Seal</b>	Two-component, 100% solids, heavy duty, non-sag joint sealant.	<ul style="list-style-type: none"> <li>• Sealing bell-and-spigot pipe joints in fiberglass conduits</li> </ul>	<ul style="list-style-type: none"> <li>• Fast setting</li> <li>• Cures at temps as low as -17°F (-27°C)</li> </ul>
<b>Joint Shield™ 5500 Polyurea 95A</b>	Two-component hybrid polyurea joint filler for concrete industrial floors. Heavy duty, semi-rigid.	<ul style="list-style-type: none"> <li>• Joints of concrete floors subject to heavy forklift traffic</li> <li>• Suitable for cold storage warehouses and freezers</li> <li>• Rout, fill random cracks</li> </ul>	<ul style="list-style-type: none"> <li>• Traffic ready in 1 hour</li> <li>• Good chemical resistance</li> <li>• 1:1 mix ratio</li> <li>• Cures at below freezing temperatures</li> </ul>



Elastomeric waterproofing

Surface protection

Pump / parts cleaner

	Product Description	Applications	Advantages
<b>Pitchmastic PmB</b>	A high-quality elastomeric bridge deck protection system. Contains the technically advanced PmB membrane, a two-part, spray-applied, durable protection and waterproofing coating that offers ultimate crack bridging protection to the deck. The high-performance membrane is 100% polyurethane, containing no fillers or additives, and is VOC-free. Once applied, PmB has exceptional bond strength, and has unrivaled elastomeric capability. 30 year life expectancy.	<u>Pitchmastic PmB Bridge Deck Waterproofing</u> <ul style="list-style-type: none"> <li>• Bridges</li> </ul> <u>Pitchmastic PmB Structural Waterproofing</u> <ul style="list-style-type: none"> <li>• Plaza decks</li> <li>• Roofing</li> <li>• Balconies</li> <li>• Stairs</li> <li>• Tunnels &amp; walls</li> <li>• Special applications</li> </ul>	<ul style="list-style-type: none"> <li>• Spray-applied (no seams or joints)</li> <li>• Chemical-resistant</li> <li>• Flexible</li> <li>• Rapid curing</li> <li>• Low odor</li> <li>• Fully tested puncture resistance capabilities</li> <li>• Suitable for use in areas permanently immersed in water</li> <li>• Requires no pre-application termination of joints or coves</li> </ul>
<b>Deck Protect+</b>	A premium heavy-duty system that provides optimum waterproof protection to exposed decks and ramps. The system is ideal for ramps or decks over occupied spaces, such as retail or residential property. The system has four components.	<ul style="list-style-type: none"> <li>• Parking decks over occupied premises</li> <li>• Internal parking deck protection</li> </ul>	<ul style="list-style-type: none"> <li>• Durable</li> <li>• Exceptional crack bridging and elongation available</li> <li>• Fast curing—ideal for rapid return to service</li> <li>• Excellent longevity</li> <li>• Excellent skid resistance</li> <li>• Safe for the installer and the public</li> <li>• Quality aesthetics and color range</li> <li>• UV stable (except for our EPX option)</li> <li>• Easy to clean</li> </ul>
<b>Stain Shield™</b>	Protects surfaces from resin and epoxy stains.	<ul style="list-style-type: none"> <li>• Stain barrier</li> <li>• Clean up solvent</li> <li>• Ideal for slab lifting</li> </ul>	<ul style="list-style-type: none"> <li>• Biodegradable</li> <li>• Non-toxic</li> </ul>
<b>Prime Solvent CGC</b>	Cleans cured grout from injection equipment. Non-carcinogenic, and non-ozone depleting.	Will remove all types of urethanes: flexible, rigid, elastomers, molded, and adhesives.	<ul style="list-style-type: none"> <li>• Low Toxicity</li> <li>• Reusable</li> <li>• Non-Hazardous</li> <li>• Non-Flammable</li> </ul>
<b>Eco Flush</b>	Non-flammable solvent great for cleaning equipment and flushing out pump cylinders, lines, and hoses after Prime Flex injection.	Designed for flushing and cleaning Prime Flex polyurethane and Prime Rez epoxy injection resins out of injection pumps and hoses.	<ul style="list-style-type: none"> <li>• Non-Hazardous</li> <li>• Non-Flammable</li> </ul>



# The Patriot

## Medium Pressure Metering Pump

The Patriot pump is a rotary gear type, positive displacement, medium pressure metering pump. This portable, compact pump packs a tremendous amount of power, efficiency and versatility in a platform that can easily be handled and operated by a single person. Designed for applying polyuria, epoxy crack injection, joint fill, low/medium pressure polyurea spray or polyurethane stabilization foams. It can be outfitted with a variety of dispense guns depending on the specific needs of the applicator.



## Dispensing tools

	Product Description	Advantages
<b>FlowMaster pistol</b>	<p>The FlowMaster Pistol is a compact, lightweight, divorced manifold type dispense pistol. It is designed to use external static mixers. It has only two moving parts which ensures durability, ease of operation, and minimal downtime in the event of blockage or crossover. It can be used with any plural component proportioner in a variety of dispense ratios.</p> <p>It is used to mix and dispense a variety of Prime Resins products including polyurethanes, epoxies, and polyureas for crack sealing, chemical grouting, stabilizing, and low pressure spraying.</p>	
<b>FlowMaster wand</b>	<p>The FlowMaster Wand is specifically engineered to apply Prime Resins epoxies and polyureas for joint fill applications. It only has two moving parts which ensures durability, ease of operation, and minimal downtime in the event of blockage or crossover.</p> <p>The wand uses external static mixers, and has an integrated guide rod to assist in applying clean straight lines in concrete and asphalt joints. The guide rod is adjustable for use with different length and size static mixers for different applications.</p>	
<b>SoiLok gun</b>	<p>A compact all stainless steel gun designed to dispense Prime Resins line of Soi Lok products. It is designed for use with reusable Stainless steel static mixers in 3/8" and 1/2" diameter, and is capable of being adapted to a variety of injection ports, tubes, and pipes.</p> <p>It has an integrated manual flush valve which, when used properly, will keep the mixer clean and allow the ports, tubes, or pipes to be reused as well depending on the application.</p> <p>It is equipped with liquid filled pressure gauges at the gun manifold to monitor back pressure at the point of injection. Built with the contractor in mind, the Soi Lok gun is mechanically operated and only has three moving parts (ball valves), which aids in the durability and longevity of the gun.</p>	

## Titan airless pumps - modified

Impact: Prime Resins is a Titan authorized dealer. These small, lightweight yet durable electric pumps can deliver any of our single-component Prime Flex products. These are modified specifically for chemical injection. Use in combination with our 1/2" or 5/8" packers, Bang-in Ports or grout needle. Delivering 1.2 HP and 1.55 HP respectively, the Titan Impact 540 & 640 are versatile and economical choices for chemical grout injection. Several models are available. Includes a 685-H 4500 PSI high pressure valve and 50' hose.



Item #: P-Impact 540, P-Impact 640

The PowrTwin 6900 Plus and 8900 are designed for large-scale projects and feature either a gas engine or electric motor. These pumps deliver the higher volume output required for large projects. Includes a 685-H 4500 PSI high pressure valve and 50' hose.

Item # P-6900, P-T6900, P-T-8900 PLUS

## Prime Star manual pump

The Prime Star manual pump is designed for pumping low-viscosity, single-component resins, such as Prime Flex 900 XLV, 910, 920 or 940. It can also be used to pump Hydro Gel SX as a single-component material. This pump is ideal for use as a water pump to flush cracks prior to injection. **Item # P-850**



# Slab lifting systems

### Slab lifting systems

Precision Lift™ is the perfect balance of science, technology, and technique optimized to lift concrete with greater precision. Done properly, slabs can be lifted precisely through injection of our two-component structural polyurethane foam. Precision Lift™ is also an excellent choice for void filling behind or underneath structures. We provide multiple systems. Each comes with one day of hands-on, on-site training in the continental U.S. Additional training can be arranged.



## The Revolution

### Revolution compact slab lifting system

The Revolution Compact Slab Lifting System is an ideal choice for smaller scale jobs such as residential or light commercial work or where access is restricted. It is a compact, portable, easy-to-use, and affordable way to get started in slab lifting and void filling with foam.

This award-winning system comes with a Revolution pump, Equalizer gun (optional), and the necessary pieces and accessories to get started. Designed to fit through a standard doorway, this is the only truly portable system on the market. The unit is ideal for accessing tight spaces, including pool decks, basements and buildings. The Revolution is a two-component slab lifting pump that uses gear-driven technology. Unlike piston pumps, the simplicity of one continuous rotary motion means exceptional output efficiency plus less energy use and wear and tear. The Revolution is a medium-pressure pump with on-board heaters, heated hoses, and a built-in recirculation system. This is a combination of features you won't find on any other pump.



<b>Power Requirements</b>	120v @ 20 amps
<b>Output Pressure</b>	0-1200 psi
<b>Max Delivery</b>	1.25 GPM
<b>Heated Discharge Hoses</b>	3/8" x 25'
<b>Tank sizes</b>	10 Gallon (20 gallon overall capacity)



## The Equalizer gun

Conventional impingement guns do not like back pressure. Too much back pressure and the gun crosses over, resulting in labor intensive gun rebuilds, down time, replacement parts and, in some cases, lost hoses. Back pressure at the spray tip is inherent to leveling slabs, void filling and soil stabilization. The Equalizer gun is the only impingement gun engineered to handle back pressure induced when conveying two-component polyurethane foam to lift slabs, fill voids and stabilize soils. Aside from the flow control valves, this gun has no internal moving parts and NO O-rings, which makes rebuilds quick and inexpensive. The Equalizer gun uses an environmentally-friendly, water-based solvent purge system that doubles as a concrete stain preventer.

## Trailers

# Trailer rigs

Our fully equipped turnkey trailer rigs are perfect for large volume lifting, undersealing, and stabilizing of concrete slabs or soil stabilization. These pull behind trailers are ideal for contractors doing industrial and government/DOT work or large volume residential. We use only the highest caliber equipment to ensure the best material mix quality. The high output generators/air compressors and PMC proportioners we choose are robust and powerful enough to handle heavy loads and mix material most efficiently. You will have the power you need to do a job right.



### Precision Lift Expert Rig

18' long, 8' high, 8' wide tag-along, V-nose trailer that comes equipped with:

- 23.6 cfm @ 175 PSI compressor
- 21 kw diesel three phase generator with Industrial Alternator
- Regenerative desiccant air dryer
- 2 transfer pumps
- PMC hydraulic proportioner—PH2
- 210' heated hose with scuff jacket
- Built-in recirculation kit

### Precision Lift Professional Rig

22' long, 8" high, 8.5' wide tag-along trailer – tandem axles, comes equipped with:

- 35 CFM air compressor / 35 kw turbo diesel generator combo unit
- Regenerative desiccant air dryer
- 2 transfer pumps
- Hydraulic PMC proportioner—PH40
- 210' heated hose with scuff jacket
- Built-in recirculation kit

We also build trailers that are optimized for pumping our SoiLok soil densification product. Please call us at **800-321-7212** for more information.

#### Expert Rig Features:

- Rear ramp door and side door
- Insulated sides and roof
- Lighting
- 8800 GVRW
- 200 gallon material capacity



#### Professional Rig Features:

- Rear ramp door and side door
- Insulated sides and roof
- Lighting and outlets
- 14,000 GVRW
- Work bench with tool box
- Wall cabinet
- 300 gallon material capacity

# PMC PA and PF Series air or hydraulic proportioners

Hydraulic or air-driven proportioners from PMC are ideally suited for slab lifting using our Precision Lift™ products or polyurea lining projects using our Prime Guard™ series. Applications include raising sunken concrete slabs, filling voids, and stabilizing soil (compaction grouting).

These machines can also be used for spray foam insulation applications. Prime Resins is an authorized PMC dealer. The PH series features an easy to service pump base; machine functions are controlled by proven relay logic technology, which allows for easy in the field troubleshooting and low cost repairs since there are no printed circuit control boards.

Other features include high efficiency mass style heaters, improved heated hose assemblies, and an innovative temperature sensing unit designed for clean, inexpensive on the job replacement.



# High Pressure Ports, Valves etc.

	Product Description	Item Number	
<b>3/8" Bang-in ports</b>	Easier to install, cost less, and for many applications, are just as effective as more expensive packers. Holds pressure up to 3,000 psi. Not for use in weak, deteriorated concrete.	#640	
<b>1/2" &amp; 5/8" Mechanical packers</b>	The original high-pressure injection ports are great for epoxy, acrylate, polyurethane injection. Capable of holding pressures up to 3,000 psi, they hold even in weak, deteriorated concrete.	#500, #500E, #625	
<b>1/2" &amp; 5/8" Mechanical packers</b>	High pressure injection ports for epoxy, acrylate, polyurethane injection. These are longer, at 4.25 and 4.50 inches long to tip of zerk, respectfully. Also capable of pressures up to 3,000 psi.	#500-1, #625-1	
<b>4,500 PSI high pressure single-component flow control valve</b>	This is the only accessory required to turn an airless sprayer into an injection pump. It allows the operator control of resin flow at the point of injection.	#685-H	
<b>Steel "F" valve assembly</b>	This low cost valve assembly was designed to twin stream Prime Flex polyurethanes with water. The mix ratio is controlled by the operator using the two on/off valves that come with the assembly. This is especially useful for injecting Hydro Gel into leaking manholes. 2000 psi pressure valve. Use with grout needle or wall stinger nozzle. Available in carbon steel and stainless steel.	#FG-AC F-VALVE-CS (carbon steel) #FG-AC F-VALVE-SS (stainless steel)	
<b>Wall stinger nozzle</b>	This attachment screws directly onto the "F" valve assembly. It allows injection of chemical grout directly through a concrete structure without the need for an injection port. This is ideal for low pressure grouting behind a manhole or a below-grade wall. Not recommended for high pressure crack injection.	#WS-NOZ	

# Low Pressure Ports (0-250 PSI)

	Product Description	Item Number	
<b>Surface mount ports w/ attached plastic cap</b>	Surface mount port. Large opening for static mixers. Low pressure only. 100 per bag (includes cap). For use with 1/4" or 1/2" static mixers and Prime Rez 1600 injection gel.	#652	
<b>Plastic surface mount ports</b>	Inexpensive and easy to use, these ports are great for epoxy and polyurethane injection. Use with Quick Mix cartridges, Single Shot cartridges, and low-pressure pumps.	#653	
<b>Plastic corner mount ports</b>	Low pressure only. Will accept cartridge systems and other pressure injection equipment. Used for epoxy injection. 50 per bag. Requires #662.	#655	
<b>Socket mount ports</b>	For 1/2" holes. Low pressure only. Will accept cartridge systems and other pressure injection equipment. 100 per bag. Used for injection of chemical grouts or epoxy resins for either direct or offset injection. Requires #662.	#660	
<b>1/4" caps for plastic ports</b>	Required for use with #653, #655, and #660. Used to close port after injection. 100 per bag.	#662	

# Mixers

	Product Description	Item Number	
<b>1/4" x 32 Element mixer (for injection resins)</b>	Packaged standard with cartridges of Prime Rez 1000, 1100, 1200; Prime Flex 900 XLV, 920 and Prime Flex Hydro Gel SX. 10 per pack.	<b>#740</b>	
<b>1/4" x 48 Element mixer (for Prime polyureas and Floor Fix)</b>	Packaged standard with Joint Shield 5000 80A, Joint Shield 5500, Floor Fix, and Prime Flex 985. 10 per pack.	<b>#741</b>	
<b>1/2" Static mixer (for epoxy gels)</b>	Packaged standard with Prime Rez 1600, Prime Gel 2500, Joint Shield 5000 and Joint Shield 5100 Caulk Grade. 10 per pack.	<b>#760</b>	
<b>Static mixer retainer nut</b>		<b>#QM-RN (plastic) #MET RETAINNUT (aluminium)</b>	

# Cartridges

	Product Description	Item #	
<b>Quick Mix two-component materials</b>	These dual side-by-side cartridges were designed for dispensing two-component resins. We offer our epoxy, polyurea, and polyurethane resins in this easy-to-use portable system. Packed either 6 or 10 per case with one static mixer and retainer nut per cartridge set. See product technical data sheets for availability and size for specific products. 1:1 (300 ml x 300 ml, 750 ml x 750 ml), 2:1 (300 ml x 150 ml, 600 ml x 300 ml), 4:1 (300 ml x 75 ml), 10:1 (750 ml x 75 ml) ratios available. Static mixing nozzles available 1/4" x 32, 1/4" x 48, 1/2" x 24, 1/2" x 36.	<b>Various</b>	
<b>Cartridge/port connectors</b>	EZ COUPLERS (reducer, union, EZ tube, zerk adaptor) Connects the 3/4" static mixer from our Quick Mix cartridges directly to injection ports (or tubing for hard to reach places). Connection reduces resin drip and allows the operator to concentrate on the injection process rather than on trying to keep the static mixer in the port.	<b>Reducer: #QMR-5 Union: #QMU-5 EZ Tube: #QMT-14 Zerk Adaptor: #QMC-Z</b>	
<b>Quick Mix reducer ball valve</b>	Connects the 3/4" static mixer from Quick Mix cartridges directly to low pressure injection ports. The ball valve can be closed to reduce waste and mess when moving from port to port.	<b>QMR-BV</b>	

# Quick Mix guns

	Product Description	Item #	
<b>The Beast— Quick Mix air gun— 4" cylinder</b>	Works with any product packed in 750 ml x 750 ml (1:1 50.72 oz), 750 ml x 75 ml (10:1 27.5 oz), and 300 ml x 300 ml (1:1 20.28 oz) Nominal thrust 1,100 lbs @ 100 psi/4" cylinder. Converts in seconds with snap in/snap out push disks. Works with Prime Gel 2100, 2200, 2500, Speed Bond #1, Prime Flex 920, Hydro Gel SX.	<b>#FG-701</b>	
<b>1:1 / 2:1 Quick Mix air gun— 2.5" cylinder</b>	Nominal thrust 490 lbs @ 100 psi/2.5" cylinder. Converts in seconds with snap in/snap out push disks. Works with Prime Rez 1000, 1100, 1200, 1600, Prime Gel 2000, 2100, 2200, 2500, Speed Bond #1, Prime Flex 900 XLV, Hydro Gel SX.	<b>#FG-700</b>	
<p><i>Quick Mix air guns require 80 – 100 psi inbound air pressure than can be supplied from an air compressor, air tank or CO2 tank, making the system truly portable. Available from home improvement, paint, welding, diving, and building supply stores.</i></p>			
<b>1:1 Quick Mix manual gun</b>	Converts in seconds with snap in/snap out push disks. Works with any product packaged in 300 ml x 300 ml (1:1 20.28 oz), 300 ml x 150 ml (2:1 15.21 oz) cartridges. Works with Prime Rez 1000, 1100, 1200, 1600, Prime Gel 2000, 2100, 2200, 2500 Quick Bond, Speed Bond #1, Prime Flex 900 XLV, Hydro Gel SX.	<b>#FG-725</b>	
<b>10:1 Quick Mix manual gun</b>	Works with any product packed in 750 ml x 75 ml (10:1 27.5 oz) cartridges, including Prime Flex 920. Item #FG-730		

# Soil Injection Accessories

	Product Description	Item Number	
<b>Button head coupler</b>	To be used with the Button Head system for deep soil injection or curtain grouting. Perfect for quick set and release on button heads, which provide internal check valves to prevent material back flow.	<b>FG-Eq-BHC Strt (straight)</b> <b>FG-Eq-BHC 90 (90°)</b>	
<b>Button head fittings</b>	Sold in bags of 100.	<b>FG-P-PR Eq BHP</b>	
<b>Zerk coupler</b>	These couplers are perfectly matched to provide the tightest seal when used with our mechanical packers or bang-in ports. Use with Item 685H, high pressure single-component flow control valve.	<b>#680</b>	
<b>Stainless steel grout needle &amp; kit</b>	This 1/4" stainless steel grout needle is 12" long. Use it to penetrate rubber boots for leak sealing at the manhole-pipe connection. It is also good for injecting Prime Flex polyurethane behind an activated oakum seal. We also offer a model that attaches directly to the mix nozzle of our Quick Mix and Single Shot cartridges. Custom lengths available upon request.	<b>#674 (needle)</b> <b>#675 (Quick Mix kit)</b>	
<b>Stainless steel grout needle</b>	This 1/4" stainless steel grout needle is available in 12, 24, 36, 48 and 72" lengths.	<b>#AC 674 (12")</b> <b>#AC 674-24 (24")</b> <b>#AC 674-36 (36")</b> <b>#AC 674-48 (48")</b> <b>#AC 674-72 (72")</b>	
<b>3/8" &amp; 3/4" Soil probes</b>	These strong, durable soil probes are constructed of high-strength stainless steel. Just screw them onto either 3/8" or 3/4" pipe and drive them into the soil with a pneumatic driver. The resin flows through the pipe and out of the holes drilled in the diffuser section of the probe.	<b>#SP38 (3/8")</b> <b>#SP34 (3/4")</b>	
<b>Soil pipe jack</b>	As you inject chemical grout through pipes, you may need assistance in raising a pipe out of the ground. Our pipe jack is designed to achieve maximum lifting power.	<b>#PIPE-JACK</b>	

## Other

	Product Description	Item Number	
<b>Oakum</b>	Oil-free oakum jute rope is ideal for stopping gushing leaks in manholes, culvert joints, or electrical conduits when soaked with polyurethane resin. It can be used with Prime Flex 900 XLV, Prime Flex 900 MV, or Prime Flex Hydro Gel SX for the activated oakum method of sealing wide cracks, joints, and pipe penetrations. Prime Resins' oakum comes in 10 lb. and 50 lb. boxes. The oakum strands can be separated to produce up to 1,000 feet of smaller strands.	<b>#690 – specify size of box.</b>	
<b>Flush wand</b>	If you are doing high-pressure injection, this inexpensive tool is a must. Use it to reach the back of your drilled holes and flush out concrete dust so that it doesn't contaminate the crack during injection.	<b>#670</b>	

# Technical Support

## 24/7 Phone Support

**Call our support team at 800-321-7212.**

Strong technical support is a long tradition at Prime Resins. Support technicians have detailed product knowledge and practical on-the-job experience. We're available 24/7.

Prime Resins is a great source for high-value expertise from a dedicated team of technical consultants. We know the behavior characteristics of every product, the environments in which they perform best, the appropriate technologies, and the best application techniques.

## Schedule (Eastern time)

Mon-Fri 8 a.m. – 5 p.m. EST Support is usually available immediately. Otherwise, a representative is available for emergencies within 30 minutes.

## Professional service agreement - on-site tech support/training

We offer assistance for many situations\*, including:

- Critical jobs using unfamiliar technology
- Training sessions for your employees
- Jobs on which the specifying engineer mandates a factory representative on site

*\* Two week advanced scheduling is highly recommended.*

## Training and Education

Join our online community at [primeresins.com](http://primeresins.com) and subscribe to our e-newsletter to be notified of educational opportunities.

## Online resources

Register for webinars. Explore the website for technical datasheets, SDS info, case studies, how-to procedures (Prime Practices), videos, white papers, worksheets, and estimating tools. Follow us on LinkedIn and Twitter.

## Training classes

Register for our hands-on training courses —the Prime Resins Chemical Grouting Institute. Schedule a training session at your company or request one at your local distributor.





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