



## Structural Repair/ Bonding & Anchoring

[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 leak sealing, soil stabilization, slab lifting, structural repair and coatings/secondary containment.

### What sets us apart?



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



**Turnaround time:** We have the fastest turnaround in the industry. 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 Head Quarters.



**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.

# Structural Repair/Bonding & Anchoring

The need for crack repair in concrete structures can be caused by many different factors. Damage can occur to the concrete in situations where direct impact puts stress on one area of the structure. Causes include freeze / thaw cycles, mechanical overload, improper pouring during installation, damage during transport of prefabricated sections, faulty foundations, or standing water due to improper drainage, adding unsafe weight to the concrete structure.

## Repairing Concrete Structures

Structural crack repair can be accomplished by pressure injection of our **Prime Rez** series of epoxy injection resins. There are many ways to accomplish this, but the basics are consistent. For cracks that are extremely tight (less than 1/32") or subject to shock and vibration, use our **Prime Rez 1200 Low Mod LV**. If you need the absolute highest strength, use our **Prime Rez 1000 High Mod**.



## Bonding & Anchoring

Prime Resins is the premier manufacturer of epoxy resins and gels for bonding concrete and anchoring construction materials. Our products were developed directly out of an affiliated contracting business: We know the many kinds of products you need to get your jobs done. It is critical to the success of any project to select the correct product when bonding and anchoring. Our technical consultants, with decades of hands-on experience among them, can help you decide which products best suit your needs.

## Bonding Concrete

Bonding concrete can add many years to the life of a structure, but it has to be done correctly. When pouring new concrete on top of old concrete, it is critical to achieve the right bond between the two pours.

**Prime Rez 3000 High Mod** is our workhorse product for this application. In hot climates, **Prime Rez 3090 High Mod LPL** is an excellent choice due to the longer working time. Oven dried sand can be added to the **Prime Bond** resins to create an epoxy mortar for patching and repairing expansion joint nosings.

## Anchoring Steel

Anchoring steel into concrete is a pretty straightforward process; however, selecting the correct adhesive is important. Dowel bars, anchor bolts, and pins are used for different construction applications, and the correct adhesive is critical to a successful install. **Speed Bond #1** is our top selling product for all of these applications. **Quick Mix** cartridges make applying the product a breeze. For cold weather try our **Prime Gel 2500 Quick Bond**.

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