

PRECAST PATCH™ Concrete Patching Cement

PRODUCT DESCRIPTION:

PRECAST PATCH™ Concrete Patching Cement is a cementitious dry mix specifically formulated for the precast concrete industry. A mixture of Portland cement, special hardeners, and set accelerators, this product is ideal for on-site patching or repairs on concrete products. It reaches an initial set in about 15 minutes and is hard-set in approximately 40 minutes. It is lighter in color than most patching compounds and has a “putty-like” consistency when mixed with appropriate amounts of water and/or bonding agent. Due to its non-shrink composition, your patch will not pull away from your work as it dries. It is easy to use and requires minimal cleanup.

PURPOSE:

PRECAST PATCH™ is a high-quality patching compound developed for use in the repair of precast concrete products, such as concrete pipe, manholes, and catch basins. It can be used on-site to repair cracks, holes, and surface imperfections on your products. It sets up quickly and provides a durable patch that can withstand 3,000 psi 24 hours after the application. Many contractors use **PRECAST PATCH™** to repair septic tanks, box culverts, utility boxes, steps, bumper blocks, etc., and also for some architectural applications. Its lighter color prevents the dark, unsightly patches that can affect your product's overall appearance and also eliminates the need for the time-consuming process of color-matching. In the long run, **PRECAST PATCH™** can save valuable time and can improve overall cost-effectiveness.

SATISFIES INDUSTRY STANDARDS:

PRECAST PATCH™ Concrete Patching Cement meets all industry standards for most practical concrete applications, and is especially effective for precast structural products. All tests for compressive strength and setting times have been established in conformance with ASTM-C109 and ASTM-C266, respectively.

Compressive Strength		
1 day	—	3,000 psi
3 days	—	5,100 psi
28 days	—	6,500 psi

PACKAGING:

PRECAST PATCH™ Concrete Patching Cement is available in 50-lb. bags, shipped 50 bags per skid, and is sold in skid lots only.

LIMITATIONS:

DO NOT add other cements or additives to this product, with the exception of a bonding agent or pea gravel, as outlined in the Application section of this data sheet. Store in a cool, dry area on skids, away from moisture and all outside elements. Shelf life of this material is approximately one year.

WARNING:

PRECAST PATCH™ is a cementitious product, which may cause some skin and/or eye irritation. The use of long sleeves, long pants, and rubber gloves is strongly recommended when handling this product. Avoid any contact with eyes and prolonged exposure to dust particles in the air. Protective goggles may be appropriate. If eye contact occurs, flush eyes thoroughly with clear water. **KEEP OUT OF REACH OF ALL CHILDREN!** If ingested, call physician immediately. For additional information, see the Material Safety Data Sheet (MSDS) included with this product.

(continued)

PRECAST PATCH™ Concrete Patching Cement (continued)

TECHNICAL ASSISTANCE:

If more information is required regarding the use of this product, please call Blackthorn, Inc. at (937) 836-9296, or you may FAX us your inquiries at (937) 836-9395.

APPLICATION:

Make sure that all dirt, grease, oil, industrial coatings, and form release agents are removed from the surface to be patched before coming into contact with **PRECAST PATCH™**. Remove all loose concrete until a firm substrate is exposed. Optimum results will be obtained on horizontal patches by saw-cutting the area to be patched. A uniform depth and firm bonding area should be provided prior to patching. In order to correctly accept the patch, all hairline cracks should be repaired by chiseling an enlarged groove that is at least $\frac{3}{4}$ " in depth.

All surfaces to be patched **MUST BE** thoroughly wet. Soak the area to be patched with clear water for at least 15 minutes just prior to patching. The surface to be patched should be free of all loose particles. All standing water must be removed. A liquid bonding agent, preferably **SED-N-BOND™ Agent/Admixture**, is highly recommended for maximum performance. A light, slurry coat of **PRECAST PATCH™ Patching Cement** may be used to ensure proper adhesion, especially if your patch will be less than 1" thick. **PRECAST PATCH™** may be applied with a standard masonry trowel.

- Mix only as much patching material as can be placed easily within a 10-minute period. A metal wheelbarrow, a large metal pan, or a large pail may be used to mix **PRECAST PATCH™**.
- Mix up to five (5) quarts of clean water with each 50-lb. bag of mix. Never use more than six (6) quarts of water for each 50-lb. bag. Add **PRECAST PATCH™** directly to your water and mix thoroughly for 2 to 3 minutes until a "putty-like" consistency is obtained.
- Apply mix directly and firmly to the prepared area to be patched. You may apply more patching material than is actually required, allowing you to form and shape the patch within the initial setting time, (approximately 15 minutes). After your patch has reached surface-hardness, you may shave or scrape your patch to its desired form using a steel trowel. **DO NOT** add any aggregate to your mix, as this will prevent you from final shaping as your patch sets.
- The less that you handle **PRECAST PATCH™** mix prior to its initial set, the better! Application and final shaping **MUST BE** completed before the final set is attained. **DO NOT** add any water or attempt to retemper your mix. Do not allow excess patching material to overlap your patch area. Your finished patch should be smooth and level with the surrounding concrete surface. **PRECAST PATCH™** may be rubbed, or "textured", to obtain a desired effect by using a wet sponge on the surface before the initial set occurs..
- Allow for adequate curing time. Your patch strength and overall performance will suffer if sufficient curing time is not provided. For optimum results, the addition of a bonding agent, preferably **SED-N-BOND™ Agent/Admixture**, is suggested to aid the curing process. For critical applications, you may substitute as much as 1 to 3 quarts of **SED-N-BOND™** with your mix water for every 50-lb. bag of **PRECAST PATCH™** that you use. For large patches (over 1½" thick), you may add clean, dry pea gravel (up to 25 lbs. for each 50-lb. bag of **PRECAST PATCH™**).

YIELD: Approximately $\frac{1}{2}$ cubic foot per 50-lb. bag of mix

(continued)

PRECAST PATCH™ Concrete Patching Cement (continued)

WARRANTY

BLACKTHORN, INC., in conjunction with SEDDON, will refund the price paid for this product OR choose to replace this product, at its own discretion, if it finds any such product to be defective. Such a refund or replacement will be honored ONLY if it is determined that the product was used properly. With the exception of the above statements for refund or replacement, the company makes no claim or warranty of merchantability and no warranty of fitness for one particular purpose. We make no warranty, expressed or implied, of any nature whatsoever with respect to this specific product or the use thereof of this product by any illustration or instructions or limitations. In no event will the company be held liable for loss of use for any direct, special, or inconsequential damages incurred, or for any charges or expenses of any nature, without the specific written consent from this company, obtained prior to the use of this product. The statements made above comprise the fullest extent of any and all responsibility that this company will bear, for and in reference to this product, even if some oversight or negligence by the company has been ascertained.