



# VINYL PATCH

## ALL PURPOSE CEMENT PATCHING COMPOUND



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## Technical Data Sheet



DIV - 3

Concrete Repair Materials

### **Description:**

All purpose patching compound containing vinyl for better adhesion and cohesion. This product is fast setting and easy to use, just add water and mix. Designed for general repairs in all flatwork and formed concrete.

All Purpose Cement Patching Compound can be used to repair or rebuild areas such as broken corners, handicap ramp slopes, beams, panels, full depth repairs, culverts and more. It can be installed from 2" to feather edge, and go to 4" when extended.

### **Surface Preparation and Mixing:**

Pressure clean area and use acid etching or cleaner suitable to remove all laitance, dusting contamination, oil and dirt. When using acid, neutralize areas with a solution of one table-spoon baking soda per gallon of water and wash off solution with garden hose. Product requires a moistened, cool and absorbent substrate for proper installation.

Mix adding powder to pre-measured water.

Use 3-1/2 Quarts of clean potable water for each 50# Bag.

Mix with a drill powered paddle or suitable equipment to obtain a mix without lumps. Do not re-temper material once it has began to harden.

### **Limitations:**

Careful not to apply material in extreme heat, especially in direct sun light onto a hot substrate, or in freeze- thaw conditions as it will affect set times, bond and cure. Also when using very thin repairs under heavy loads , it is best to cut all edges perpendicular to the floor, then feather edged to a clean 90° cut.

### **Performance:**

ASTM C-109  
1 day: 1500 psi  
3 days: 3500 psi  
7 days: 4500 psi

### **Set Times**

ASTM C-266 (70°F)  
15 to 20 min.  
Final set: 1 hour

### **Installation:**

Wear rubber gloves and suitable safety eye protection and clothing. Avoid creating and inhaling dust. It is important to test material suitability for the intended use prior to use, especially if the substrate is cracked. All would require cutting and filling with proper repairs prior to installation, otherwise cracks will transfer through the new surfaces. Polished concrete areas tend to provide a questionable bond and mechanical scoring may be necessary and in most cases, the use of an EVA type bonding agent is required to enhance the surface bond. Install material by spreading using a screed or trowel starting at one of the smaller edges and towards the center, maintaining an even thickness throughout. For repairs thicker than two inches, add 20 pounds of washed well graded and moist (SSD) pea gravel to each 50 pounds of material.

When trowelling the surfaces allow bleed-water to dissipate. Caution should be exercised not to burn or overwork the surface causing plastic shrinkage, low surface strength and bond failure. The required cure is with spray water mist, blankets or chemical curing agent. Allow only light foot traffic in 48 hours. Full use in 7 days.

### **Coverage:**

Depends on surface profile and dimensional evenness. The best way is to measure the area by the average depth and divide by .45 (50 pound unit volume) always adding 10% for waste.

### **Shelf life:**

In original package stored in a dry cool place it is usually 6 months in bags to and from date of manufacture. Available in pails (1 year)

### **Clean up:**

Clean all tools and equipment with clean water and a detergent solution. Remove dry material by mechanical means.

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**Product Safety:**

Consult product Material Safety Data Sheet for information on the safe handling of this material. Avoid breathing dust and avoid prolonged skin contact. Use eye and skin protection especially when mixing the product. Keep way from children and pets and dispose of pails and unused product properly. Contains Portland cement and silica that can cause burns and respiratory irritation. Silica dust has been known to cause silicosis with prolonged unprotected use. Wear respiratory protection when handling dry material and during mixing. Contains no organic hazardous components.

**Warranty:** When product is used according to directions and when properly used, warranty is limited to one year after product is supplied to the purchaser in the original container. Refund of the purchase price only if deemed defective at manufacture. This product is intended for industrial professional use by competent tradesmen with sufficient knowledge and experience on use and proper handling of these products. The purchaser agrees to assume all responsibility for installation, product selection, application, job warranties, use, transport and disposal of product. Builders Construction Products shall not be liable to the purchaser or any third party for costs of labor or direct or indirect and incidental or consequential damages related to the use or suitability of this product. No other warranties are implied. Responsible disposal of used products and packaging is the responsibility of the purchaser and or user. This product does not contain hazardous or controlled substances considered harmful to the environment.

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