



**Manufacturers of  
Professional Grade Cement &  
Construction Products Since 1967**

7/01-1

# PRO GENERAL PATCH

## FAST SETTING, SELF CURING, EXCELLENT BOND

### DESCRIPTION:

**PRO GENERAL PATCH** is a one component patching mortar with higher performance characteristics for use when placed as an overlay, thin patch or higher strengths are required.

### USES AND APPLICATIONS:

- Resurfacing un-level or damaged concrete
- Patching of sloping areas for water run off
- Patching concrete on horizontal and vertical surfaces, interior and exterior, above and below grade.
- **PRO GENERAL PATCH** may be used for structural repairing of concrete on parking facilities, ramps, bridges, tunnels and balconies.

### ADVANTAGES:

1. High early compressive, tensile and flexural strengths. strength
2. Very low shrinkage
3. Compatible with the thermal movements of concrete
4. Excellent bond strength
5. Increased abrasion resistance
6. Resistant to dilute acids and mild chemicals
7. Does not contain calcium aluminate cement
8. Fast setting, self curing and breathable
9. Excellent freeze/thaw resistance

### SURFACE PREPARATION:

All surfaces must be clean and sound before placing **PRO GENERAL PATCH**. Remove all spalling or unsound concrete from the patch area by use of chisel or air hammer. Any bond inhibitors such as oil or grease should be removed in an alike manor. It is recommended to saw cut all edges to accommodate repairs. If the reinforcing steel is beyond repair, follow the ICRA technical guidelines #03730-03734. If the reinforcing steel is beyond repair, follow the ACI standards for the removal and installation of damaged reinforcing steel. Dampen the area to be patched with clean water. The substrate should be saturated surface dry (SSD). Place material and finish to match surrounding surfaces.

### MIXING:

**PRO GENERAL PATCH** maybe mixed by manual or mechanical means.

**Manual Mixing:** Use various size buckets and a margin trowel.

**Mechanical Mixing:** Mix in a 5 gallon pail using a heavy duty, slow speed drill (400-600 rpm) with a mixing paddle.

Pour 5-6 quarts of **PRO LATEX BINDER** or water into the mixing container and then add the **PRO GENERAL PATCH**. Mix until a uniform, no slump consistency is obtained, 2 minutes, Do not over mix! Do not mix more material than can be placed in 20 minutes.

### APPLICATION:

The surface should be damp (SSD) and the **PRO GENERAL PATCH** should be placed immediately after mixing. The **PRO GENERAL PATCH** should be forced into the area to be patched to insure a good mechanical bond. Next, continue to fill the patch area to above the level of the existing concrete. The mortar should be allowed to stiffen slightly and then shaved to flush with the surrounding substrate. Finish work may be done with a steel, wood or sponge float.

**NOTE:** The maximum depth of a lift of **PRO GENERAL PATCH** must not exceed 3" (7.5 cm.). When repair work exceeds this the mix may be extended with 3/8" (9.5mm) to 1/2" (13mm) coarse aggregate. After mixing add up to 25lbs. of aggregate to each 50 lb. unit of **PRO GENERAL PATCH**. Mix for one minute. After placing the first lift, score the surface to provide sufficient mechanical grab for the next lift.

### POT LIFE:

**PRO GENERAL PATCH** has a pot life of 30 minutes at 70°F (21° C).

### CURING:

**PRO GENERAL PATCH** will reach its final set in four hours at 70° F (21° C). Under normal conditions, no special curing is required. However, under high temperature, low humidity or strong wind, the patch must be protected from rapid drying. The use of a liquid curing compound, wet burlap or polyethylene sheeting is recommended.

### YIELD:

**PRO GENERAL PATCH** will yield approximately 0.4 cu.ft. per 50lb bag.

### COVERAGE RATE:

**PRO GENERAL PATCH** will cover 6.25 sq.ft. (.58m<sup>2</sup>) at a thickness of 1".

### SPECIAL NOTES:

- Apply only to a clean, sound properly prepared substrate
- Minimum ambient and surface temperatures should be 45° F (7° C) at the time of application and not drop below that level for a minimum of 4 hours.
- Use clean water when mixing PRO GENERAL PATCH
- Do not apply to a frozen surface
- Do not use admixtures or re-temper
- Do not mix more material than can be placed in 20 minutes

### PRECAUTIONS:

- Dispose of waste materials in accordance with Federal, State and local regulations.
- The use of a dust mask, safety goggles and rubber gloves are recommended.
- CAUTION: Contains Portland Cement which is highly caustic
- In case of eye contact, flush with water. Wash skin with soap and water if contact occurs. Consult a Physician
- Use only with adequate ventilation

**KEEP OUT OF REACH OF CHILDREN**

### COLOR:

PRO GENERAL PATCH is concrete gray when cured.

### TECHNICAL DATA:

#### **Compressive Strength (ASTM C 109)**

28 days 8,000 psi

#### **Tensile Strength (SATM C190)**

28 days 600 psi

#### **Flexural Strength (ASTM C 348)**

28 days 1,200 psi

#### **Bond Strength (ASTM D 4541)**

28 days 400 psi

### PACKAGING:

PRO GENERAL PATCH is available in a 50lb. bag.

### SHELF LIFE:

When stored in original, un-opened container, one year.  
Rotate your stock.

### GENERAL INFORMATION:

Please contact CGM, Inc. at any of the following numbers for customer service or technical assistance:

Voice: 215-638-4400

Toll Free: 800-523-6570

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### WARRANTY:

CGM INC. warrants this product to be free of manufacturing defects. The sole responsibility and maximum liability of CGM under this warranty shall be at CGM's option, either (1) to replace the defective product in the form the product was purchased but not in the form the product was installed or used, or (2) to refund the purchase price of the product. In no event shall CGM be liable to the purchaser or to any third party for any loss or damage, of any type, including but not limited to incidental and/or consequential damage, resulting from the purchase or use of this product. In the event of any claim under this warranty, written notice must be given by registered mail. This warranty is in lieu of all other warranties, expressed or implied, including but not limited to warranties of merchantability and fitness for a particular purpose. Information contained herein is for evaluation purposes only. While CGM believes this information to be true and accurate as of this printing of this material, CGM shall have no obligation to notify purchasers of any error which is subsequently discovered in this information. CGM reserves the right to modify or improve any of its products, at any time without prior notice.