



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

7/01-1

# PRO SHOT

## CRACK FREE, EASY, DRY SHOTCRETE

### DESCRIPTION:

**PRO SHOT** is designed for vertical and overhead repairing of concrete walls, ceilings, beams and columns. **PRO SHOT** can be used on virtually all concrete structures such as, parking garages, storage tanks, concrete silos, tunnels, bridge piers and swimming pools.

### ADVANTAGES:

- Lasting crack resistance
- Crack free thick to thin application
- Low shrinkage
- High bond strength
- Waterproof
- Excellent freeze-thaw and salt resistance
- High early strengths
- Non toxic and non flammable
- Resistant to most oils, chemicals and solvents
- Easy to apply
- Prevents chloride ion penetration
- Just add water
- Maintenance free

### SPECIAL NOTES:

- Do not apply when temperatures are expected to fall at or below 40° F (4° C) within 48 hrs of application.
- When temperature exceeds 77° F (25° C) special hot weather instructions apply. Please contact CGM and ask for our technical service department.

### SURFACE PREPARATION:

Remove all loose, delaminated and/or grease contaminated material. The use of sandblasting, scabbling, high-pressure sprayer are approved for the removal of laitance, dirt and efflorescence.

All cracks must be meshed with galvanized, welded wire fabric and mechanically fastened over the crack.

Remove concrete behind reinforcing steel to 1" (25mm) depth. Remove any loose rust from the surface and apply two coats of rust-proofing material.

### COVERAGE RATE:

PRO SHOT will yield 189 lbs. (3.25 ft<sup>3</sup>) and have an approximate coverage rate of 3.6m<sup>2</sup> at 24mm (38.9 ft<sup>2</sup> @ 1") thickness per bag

### SHELF LIFE:

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

### MIXING:

Mix PRO SHOT with specified amount of potable water, 4.4 to 4.5 pints per 50-pound bag using a continuous dry shotcrete auger mixer.

### APPLICATION:

Spray apply PRO SHOT using proper equipment in accordance with ACI 506-R85, Guide to Shotcrete.

Adjust moisture content to 3-4% to reduce dusting and rebound by using a pre-dampener.

During application, the distance of the nozzle from the substrate should be 0.6-1.2 m (2-6 ft) and the angle of the nozzle to the substrate should be at 90 degrees. The consistency of PRO SHOT should be equivalent to firm jelly.

If excess material remains it should be cut off using a sharp trowel. Finish the surface using broom, wood float or steel trowel until a smooth finish is achieved.

### CURING:

PRO SHOT must be wet cured for 2 days. Use PERMASEAL VOC, fine water mist or evaporation retardant's to protect against fast drying. If working under tarps, the use of electric heaters is advised, while the use of propane heaters will cause carbonation of the material and are not recommended

### TECHNICAL DATA:

Compressive strength (ASTM C109)

41.3 – 51.7 Mpa                      6000-7500 psi

Modulus of Rupture (ASTM C348)

8.3-9.3 Mpa                              1200-1350 psi

Bond Strength with Concrete, exceeds the tensile strength of concrete substrate.

### GENERAL INFORMATION:

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

Voice:                                      215-638-4800

Toll Free:                                   800-523-6570

Fax:    215-638-7949

E-Mail:

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[bruby@cgmcement.com](mailto:bruby@cgmcement.com)

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Inside Sales: [ckuffman@cgmcement.com](mailto:ckuffman@cgmcement.com)

On the web @: [www.cgmbuildingproducts.com](http://www.cgmbuildingproducts.com)

**WARRANTY:**

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