



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

8/01-1

PRO LATEX BINDER

HIGH SOLIDS, LATEX EMULSION

DESCRIPTION:

PRO LATEX BINDER is an acrylic copolymer emulsion designed to be used as an internal admixture with **PRO FLOR TOP** and other products for improved bonding and to enhance other physical properties of Portland cement.

PRO LATEX BINDER may also be used as a ready to use non-re-emulsifiable primer to seal existing concrete surfaces and improve the bond strength.

PRO LATEX BINDER meets or exceeds the requirements of ASTM C 1059, type II.

USES AND APPLICATIONS:

1. An internal admixture to enhance any Portland cement product
2. For use in toppings of one inch or less
3. To enhance cement plasters, stucco and concrete patching mixes
4. For use in cement paints and tile grout
5. For use in PRO FLOR TOP, PRO GENERAL PATCH, PRO N.B.P. and all other Portland cement mixes.

ADVANTAGES:

- Improves compressive, tensile and flexural strengths of cementitious materials
- Improves abrasion and freeze/thaw resistance
- Ready to use formula, no additional water required
- Enhanced adhesion, impact and water resistance
- Promotes proper curing and reduces cracking
- Non-yellowing
- Allows for thin applications of cementitious materials

SPECIAL NOTES:

- Apply only to a clean, sound and properly prepared substrate
- Application and curing times are dependent upon ambient conditions
- Minimum ambient and surface temperatures are 50° F (10° C) at the time of application
- Do not apply if temperatures are expected to go below 50° F (10° C) within 12 hours of application
- Do not use with air entrained cements or air entrained admixtures
- Do not mix with high speed mixers or over mix as this generates excess air
- When used as a primer, allow PRO LATEX BINDER to dry before applying topping. Topping MUST be mixed with PRO LATEX BINDER

- Do not use PRO LATEX BINDER in an enclosed vessel where air circulation is limited\
- Do not apply PRO LATEX BINDER to a frozen surface and protect from freezing. High humidity may retard the film formation

SURFACE PREPARATION:

For all patching applications, remove all spalled and unsound concrete from the patch area. Make sure the concrete is free from oil, grease, or other bond inhibiting compounds. For priming application, the existing concrete surface must be clean and sound. Remove all unsound concrete, paint, surface coatings, and mastic overlays to achieve a substrate that is "open" in appearance with a rough, sandpaper texture. Mechanical stripping is the preferred method. If the cleaned surface shows open pores over the entire area, proceed with the application.

COVERAGE RATE:

When used as a primer, PRO LATEX BINDER will cover approximately 225 ft² ± 25 ft² per gallon.

APPLICATION:

PRO LATEX BINDER may be used as an admixture or primer. Product is supplied as a pre-measured unit and should not be diluted.

AS AN ADMIXTURE: Dampen the substrate with water (SSD). The material modified with PRO LATEX BINDER may then be applied to the dampened substrate and screeded to the proper level. Then apply the finish.

AS A PRIMER: Apply PRO LATEX BINDER with a short bristle push broom or a short nap roller. All puddles must be removed and then the material must be allowed to dry. For porous substrates, two coats of PRO LATEX BINDER may be required. The topping mortar MUST be mixed with PRO LATEX BINDER to ensure a proper bond.

CURING:

In admixture applications, PRO LATEX BINDER is a self-curing system. Membrane curing is not required since air curing is adequate for most interior and protected exterior work. In case of exposure to sunlight, wind or high temperatures, immediately cover the application area with wet burlap to prevent premature drying and surface cracking.

PRECAUTIONS:

- The use of a NIOSH/MSHA approved respirator, safety goggles and impervious gloves is recommended.
- Dispose of all waste materials in accordance with Federal, State and Local regulations.
- In case of contact, flush eyes with water, wash skin with soap and water and flush area for 15 minutes. Consult a physician
- Use only with adequate ventilation
- For industrial use only

KEEP OUT OF REACH OF CHILDREN

TECHNICAL DATA:

The following is a comparison of a PRO LATEX BINDER modified mortar vs. an unmodified mortar. The mortar was a 1:2.75, cement to sand mix.

| | PRO LATEX BINDER | WATER |
|-----------------------------------------------------------------------------|-------------------------|--------------|
| Compressive strength (ASTM C 109) 28 days | 6,600 psi | 4,200 psi |
| Flexural strength (ASTM C 348) 28 days | 1,500 psi | 725 psi |
| Tensile strength (ASTM C 190) 28 days | 650 psi | 350 psi |
| Freeze/Thaw Resistance (ASTM C 666) Method A Durability Factor | 105 | 15 |
| Bond strength (ASTM D 4541) | >400 psi | 0 psi |

PHYSICAL PROPERTIES:

Composition: Acrylic
 Viscosity: 20-35 cps
 pH: 9.2-10.0
 Wt/gal.: 8.5 lbs.

STORAGE CONDITIONS:

Store PRO LATEX BINDER at or above 50° F (10° C). Avoid excessive heat and do not freeze.

PACKAGING:

PRO LATEX BINDER is available in one gallon, five-gallon pails or fifty-five gallons drums.

COLOR:

PRO LATEX BINDER is milky white in appearance.

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
 Fax: 215-638-7949

E-mail:

Sales /Technical: ebrunner@cgmcement.com
bruby@cgmcement.com

Technical: fkinney@cgmcement.com

Inside Sales: ckauuffman@cgmcement.com

On the web @: www.cgmbuildingproducts.com

WARRANTY:

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