

Pure Finish



Polymer modified, one component Portland cement based product

DESCRIPTION

Pure Finish is a polymer modified, one component Portland cement based product. It has selected aggregates to provide a smooth finished surface and special additives for ease of finishing, bonding and moisture retention. Pure Finish has a smooth rich texture making it easy to apply and finish. It has the internal drying feature permitting quick application of sealer, paint or coatings. Pure Finish is light gray to blend with existing concrete. Use of Pure Finish can help your project earn LEED Credits. Contact factory for details.

APPLICATION

Use Pure Finish to rub and finish tilt wall panels, repair voids, honeycombs and form marks in poured concrete walls or precast members. Repair and re-surface concrete, vertical or horizontal applications. Use to repair sidewalks, curbs, gutters, floors and walls. Pure Finish may be featheredged and may be used at 1/8" thickness for light and moderate traffic. Use it as a fine finish, quick turnaround underlayment.

COVERAGE

One (1) 40 lb. bag of Pure Finish will cover approximately 48 sq. ft. at 1/8" thickness and contains approximately .50 cu. ft.

PACKAGING

Pure Finish is packaged in 40 lb. moisture resistant bags. There are seventy (70) - 40 lb. bags per pallet.

PRODUCT FEATURES

- Featheredge to 1/4"
- Extended Working Time.
- Color controlled to blend with concrete.
- Extra rich for easy application and rubbing.
- Quick turnaround for coatings or toppings.
- Can be colored or stained.
- Gives 20% more coverage.
- LEED Credits Applicable.

PRODUCT SPECIFICATIONS

(All tests performed under laboratory conditions. Job conditions will cause results to vary)

WORKING TIME: Approx. 40 minutes.

Initial Set: 1-1/2 Hours

Final Set: 2-1/2 Hours

Color: Light Gray. Also available in white

Compressive Strength: (ASTM C-109, Air cured)

3 Days: 2500 PSI

7 Days: 4100 PSI

28 Days: 5100 PSI

Flexural Strength: (ASTM C-348, air cured)

7 Days: 340 PSI

28 Days: 1400 PSI

Bond Strength: (ASTM C-1042, air cured)

7 Days: 800 PSI

28 Days: 1300 PSI

CONTAINS PORTLAND CEMENT. Avoid eye contact or prolonged contact with skin. Wash thoroughly after handling. In case of eye contact, flush with plenty of water for at least 15 minutes. Consult a physician immediately. Keep out of reach of children.

CONTAINS SILICA SAND AND FREE SILICA. Do not breathe dust. Avoid inhalation by wearing respirator. Continuous exposure and inhalation may cause silicosis and crystalline silica is classified as a known human carcinogen.

SURFACE PREPARATION

All surfaces must be clean and structurally sound; free of dust, grease, oil, paint, form release, sealers, cures, etc. Pores of the concrete surface must be open to permit proper bonding, especially on fresh "green" concrete. Any necessary surface preparation may be done by sandblasting, scarifying or acid



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etching. If acid etch is used, the surface must be neutralized and brushed thoroughly. For wearing surface applications, mechanical abrasion of the surface is recommended. In hot, arid or windy weather, dampen surface first and apply Pure Finish while surface is saturated, surface dry.

MIXING INSTRUCTIONS

Mix one 40 lb. bag of Pure Finish with 1-1/4 gallon of water to a smooth, creamy consistency. For smaller quantities use 4 fl. oz. of water per pound of powder (3 parts powder to 1 part water). When used to rub and finish walls, 4-1/4 fl. oz./lb. of water may be used for added creaminess and ease of application. Place water in mixing container and mix while slowly adding Pure Finish. Mechanical mixing is recommended for best results. Use a heavy duty 1/2" drill and mixing paddle. DO NOT OVERMIX or OVERWATER. The internal drying feature will cause the surface to dry before material has actually begun to set. Pure Finish may be re-mixed, but do not add water. Additional water will weaken the material and make it less durable.

APPLICATION WALL AND OVERHEAD

Apply Pure Finish with sponge float or trowel, working material into all surface defects. Fill in any holes, honey-comb or gouges. Apply a second, skim coat if needed. Substrate temperature should be at least 45°. Do not apply if rain or freezing temperature is expected within 24 hours.

CURING—WALL AND OVERHEAD

Mist spray once or twice the day of application and the following day. In thin applications and with rapid drying conditions, moisture may be pulled out before Pure Finish can complete hydration and hardening, if the mist spray is not applied. Normally, Pure Finish will give a smooth finished surface which does not require sanding. If Pure Finish is applied under rapid drying conditions, sanding and removing the hard surface may leave a softer layer of Pure Finish. Usually water misted on the surface will cause it to complete hydration and harden. If not, an application of Pure Finish Acrylic Polymer #1003, will harden the surface.

APPLICATION—FLOORS AND MROE

Apply with trowel working material into surface to get good bond. Trowel or broom finish, avoiding excessive use of water. Use from featheredge to 1/4" for cosmetic repairs and from 1/8" to 1/4" for light to moderate traffic. Always seal Pure Finish to protect the surface and avoid marking. When used for heavier traffic application such as driveways, apply at 1/4" thickness and replace 1/2" of mixing water with Pure Finish Acrylic Polymer #1003 or 1/3 of mixing water with Acrylic bond. Pure Finish may also be used as a fine finish, quick turnaround underlayment, applied from featheredge to 1/4" thick. Avoid bridging cracks with Pure Finish. Cracks will

"telegraph" through the material. Route out and fill cracks prior to application. Always bring construction joints up through Pure Finish, filling joint so that full weight of load does not rest on corner of Pure Finish.

CURING—FLOOR AND HORIZONTAL

Cure in accordance with ACI recommended practice, being sure to follow recommended procedures. Curing compounds may be used.

CURING—FLOOR AND HORIZONTAL

Generally, any coatings, paints or sealers which can be used over concrete may be used on Pure Finish, observing the same precautions. The internal drying feature of Pure Finish uses up excess water quickly. Breathable coatings such as sealers and latex paints may be applied after 12 hours. Breathable floor coverings such as tile and carpet may be placed after 12 hours. Non-breathable floor coverings and coatings may normally be applied after 48 hours with thin applications. Always make any required moisture or other tests required by the covering/coating manufacturer.

CURING—FLOOR AND HORIZONTAL

- DO NOT overwater! Excessive water weakens the material and reduces its durability. Pure Finish may be remixed but do not retemper or add water.
- DO NOT use when substrate is below 45° or when rain or a freeze is expected in 24 hours.
- Always do a trial installation to be sure you are getting desired results before proceeding with the job.
- Always seal Pure Finish when using as a finished surface.

WARRANTY

NOTICE-READ CAREFULLY CONDITIONS OF SALE

SpecChem offers this product for sale subject to and limited by the warranty which may only be varied by written agreement of a duly authorized corporate officer of SpecChem. No other representative of or for SpecChem is authorized to grant any warranty or to waive limitation of liability set forth below.

WARRANTY LIMITATION

SpecChem warrants this product to be free of manufacturing defects. If the product when purchased was defective and was within use period indicated on container or carton, when used, SpecChem will replace the defective product with new product without charge to the purchaser. SpecChem makes no other warranty, either expressed or implied, concerning this product. There is no warranty of merchantability. NO CLAIM OF ANY KIND SHALL BE GREATER THAN THE PURCHASE PRICE OF THE PRODUCT IN RESPECT OF WHICH DAMAGES ARE CLAIMED.

INHERENT RISK

Purchaser assumes all risk associated with the use or application of the product.



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