

CONCRETE CURE & SEAL



CONCRETE CURE & SEAL is a waterborne acrylic emulsion designed to cure, seal, harden and dustproof new or older concrete substrates. Forms a membrane on new concrete which retains water, allowing normal hydration. Contains no fillers, extenders, waxes or flammable solvents.

- Cures, seals, hardens & dust proofs concrete
- Clear, gloss finish
- Helps to eliminate scaling
- Excellent for anti-spalling
- Does not blush or yellow
- UV resistant
- Helps to prevent against efflorescence
- Protects against many oils, acids, salt, alkalis, fungus, grease, spalling and damage from sudden rainfalls
- Protects aluminum, copper and steel from concrete stains

Concrete Cure & Seal	May be applied by brush, roller or airless sprayer
Packaging	1G can (4/case, 108/pallet) 5G pail (36/pallet), 55G drum
Coverage per gallon	<u>Steel Troweled Concrete</u> 200-250 ft ² <u>Broom Finished Concrete</u> 100-150 ft ²
Application Temperature	Ambient & surface temperature must be 40°F or above and will not fall below that for 48 hours
Mixing	Stir well. Not to be thinned.
Dry To Touch	30 minutes at 80°F, 50% RH
Normal Traffic	12 hours at 80°F, 50% RH



Phone: 800-442-5535
Fax: 978-453-2416
www.umaco.com

CONCRETE CURE & SEAL is a waterborne acrylic emulsion designed to cure, seal, harden and dustproof new or older concrete substrates.

When applied after finishing, Concrete Cure & Seal forms a membrane which retains mix water, allowing normal hydration helping to eliminate scaling of concrete.

USES and ADVANTAGES

- Cures, seals, hardens and dust proofs concrete substrates
- Dries to a clear, gloss finish
- Helps to eliminate scaling of concrete
- An excellent anti-spalling compound
- Contains no filler, extenders, waxes or flammable solvents
- Does not blush
- Non-yellowing
- UV resistant
- Helps to prevent against efflorescence
- Protects against many oils, acids, salt, alkalis, fungus, grease, spalling and damage from sudden rainfalls
- Retards the moisture exchange giving additional protection for tile, paint and carpet
- Protects aluminum, copper and steel from concrete stains
- VOC compliant
- Meets ASTM-C-309 Type 1, Clear
- Meets Federal Specification TT-C-800A

SURFACE PREPARATION

Concrete surfaces to be sealed/dust proofed must be structurally sound, clean and dry. Remove all dirt, dust, spalling or loose concrete, oil, grease, wax, mildew, efflorescence, curing compounds, form release agents, paint or any other foreign material which might effect the bond. **SEE WARNING ON BACK PAGE REGARDING PAINT REMOVAL.** A dry removal method such as a sand or shot blasting procedure will ensure a proper surface preparation. Wet cleaning may also be used. If the size of the job does not justify the costs of such equipment, all preparations may

be accomplished manually. All oil and grease must be scrubbed with a degreasing compound, rinsed thoroughly then allowed to dry. After cleaning oil or grease spots, sprinkle a little water on the cleaned surface to check for residual contamination. Oil or grease is still present if the water forms small globules. If the water is quickly absorbed, the surface is clean.

Efflorescence must be washed with a mild solution of muriatic acid and water, rinsed thoroughly then allowed to dry.

Always perform a spot test (of sufficient size) prior to application in order to ensure compatibility between Concrete Cure & Seal and the substrate as well as to confirm that the appearance and performance are acceptable.

APPLICATION

Apply with spray equipment, brush, long nap roller or lambs wool applicator. Ordinary garden type sprayers with neoprene hoses are recommended for best results. Spray uniformly to form a continuous film.

Curing New Concrete

Application should be made immediately after finishing as soon as bleed water had disappeared and slab can support the weight of an applicator.

Sealing New Concrete

For an excellent sealer and added protection to concrete cured with product, apply a second coat after 28 days of curing. If not previously applied when curing concrete, two coats are required to properly seal. Second coat to be applied four hours after the first coat. The area to be sealed must be clean and free of all foreign matter (see SURFACE PREPARATION). Apply at a rate of 300-400 square feet per gallon.

Dustproof/Sealing Aged Concrete

The area to be dust proofed/sealed must be clean and free of all foreign matter (see SURFACE PREPARATION). Apply at a rate of 300-400 square feet per gallon depending on the porosity. Apply a second coat for maximum protection at 300-600 square feet per gallon.

COVERAGE

Please note coverages will vary depending on texture and porosity of concrete surface.

Steel Troweled Concrete

ASTM C-309:

200 square feet per gallon

Federal Specification TT-C-800A:

200 square feet per gallon

Broom Finished Concrete

ASTM C-309:

100 square feet per gallon.

Federal Specification TT-C-800A:

100 square feet per gallon

DRYING TIME

At 80° F, 50% RH

Dry to touch.....30 minutes

Light foot traffic.....4 hours

Normal traffic.....Overnight

Maximum hardness.....7 days

CLEAN UP

Clean equipment immediately after use with soap and water. To release air pressure from spray can at night, turn can upside down and open valve. When not in use, keep hose and nozzle elevated to drain away from tip.

PRECAUTIONS

Test panel should be made prior to application on exposed aggregate, concrete block, stone, precast, colored concrete, etc.. Test application should be left for the time specified by the manufacturer.

- Protect from freezing
- Do not apply if concrete is below 40°F
- For colored concrete, best results are obtained by waiting a minimum of 72 hours prior to application.
- Do not over apply.
- Test samples are recommended
- Not for continual immersion in water or around pools or fountains
- May not provide bond for cementitious or other adhesives
- Conduct test to determine bondability with new products
- Do not dilute or alter the product in any way
- Use in well ventilated areas

CLEAN UP

Clean equipment immediately after use with soap and water. To release air pressure from spray can at night, turn can upside down and open valve.

When not in use, keep hose and nozzle elevated to drain away from tip.

WARNING!

Do not take internally. Harmful if swallowed. If swallowed, seek immediate medical attention. In case of contact with eyes or skin, flush with plenty of water. If irritation persists, seek immediate medical attention.

Gloves and eye protection are recommended when using this product. Read Safety Data Sheet (SDS) before using this product which may be obtained from your retailer or by calling 978-453-8881.

24 Hour Emergency Medical/Spill Information (Chemtrec): 800-424-9300

USE ONLY WITH ADEQUATE VENTILATION.

KEEP OUT OF THE REACH OF CHILDREN.

WARNING! If you scrape, sand or remove old paint, you may release lead dust or fumes. **LEAD IS TOXIC. EXPOSURE TO LEAD DUST OR FUMES CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE.**

Before you start, find out how to protect yourself and your family by contacting the USEPA National Lead Information Hotline at 1-800-424-LEAD or log onto www.epa.gov/lead. Wear a properly fitted respirator and prevent skin contact to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Follow these instructions to control exposure to other hazardous substances that may be released during surface preparation.

For technical assistance call
978-453-8881

www.umaco.com

LIMITED WARRANTY

The manufacturer guarantees its products to be free of defects and the extent of its liability is limited to the purchase price of the materials only, if proved to be defective. Improper mixing, incorrect application or other factors beyond the control of the manufacturer or its dealers may produce unsatisfactory results and cannot be held to be the manufacturers or its dealers responsibility. There are no other guarantees either expressed or implied.



2018

Umaco, Inc.
60 Rear Newhall Street
Lowell, MA 01852



Toll Free: 800-442-5535
Phone: 978-453-8881
Fax: 978-453-2416