

WATERPROOFING

Master Format #: 07 16 13



CONCRETE FINISHER

CEMENT-BASED DECORATIVE & DAMPPROOFING COATING **EUCLID CHEMICAL**

PACKAGING

50 lb (22.7 kg) bag

Code: TR2107670501 (Gray, MTO)

Code: TR2107670002 (Oyster)

Code: TR2107670001 (White)

50 lb (22.7 kg) pail

Code: TR2107650501 (Gray)

Code: TR2107650002 (Oyster)

Code: TR2107650001 (White)

MINIMUM/MAXIMUM APPLICATION THICKNESS

Featheredge to 3/8" (9.3 mm)

CLEAN UP

Clean tools and equipment with water before the material hardens.

SHELF LIFE

18 months in original, unopened package

DESCRIPTION

CONCRETE FINISHER is a portland cement-based dampproofing coating.

PRODUCT CHARACTERISTICS

FEATURES/BENEFITS

- Trowel or spray applied
- Excellent adhesion
- Becomes an integral part of the wall
- Fills and levels surface
- Provides uniform surface textures and color
- Highly durable
- Breathable, decorative finish
- Eliminates the high cost of hand rubbed finishing

PRIMARY APPLICATIONS

- Interior/exterior
- Above/below grade
- Precast
- Masonry units
- Brick
- Stone
- Stucco
- Cement plaster

APPEARANCE

CONCRETE FINISHER is available in White, Oyster Gray, and Gray. Various textures may be developed by the applicator using either trowel and float or spray equipment during application.

COVERAGE

One 50 lb (22.7 kg) bag of CONCRETE FINISHER will cover approximately 40 ft² to 50 ft² when applied at 1/8 in. (3.7 m² to 4.6 m² at 3.2 mm). Leveling uneven surfaces will require more material.

Note: Coverage rates are approximate and for estimating purposes only. Surface texture, porosity, and thickness of coating will determine actual material requirements. Apply samples to all surfaces to be protected. Obtain approval of Architect or Owner for color, texture, and coverage before proceeding with work. Retain sample or mock-up through completion of project.

TECHNICAL INFORMATION

The following are typical values obtained under laboratory conditions. Expect reasonable variation under field conditions.

Test Method	Test Property	Values
ASTM C109	Compressive Strength	7 days 2,700 psi (18.6 MPa) 28 days 4,000 psi (27.6 MPa)
ASTM C348	Flexural Strength	7 days 400 psi (2.8 MPa) 28 days 850 psi (5.9 MPa)
ASTM C190	Tensile Strength	7 days 310 psi (2.1 MPa) 28 days 398 psi (2.7 MPa)
ASTM D2794	Impact Resistance	28 in. lb
ASTM D4541	Pull-off Strength	310 psi (2.1 MPa)
ASTM C67	Absorption	24 hour soak4.9% 5 hour boil5.3%
	Freeze/Thaw Resistance	50 cycles -0.67% loss
ASTM C666	Durability Factor	300 cycles 97.6%
ASTM C144	Chloride Content	0.0098%
Fed Test 141	Fungus growth	Method 6271-1. resistant
ASTM G26	Weatherometer	6,000 hours: No crazing, cracking, chipping, or flaking. Light chalk and color change. No other deterioration.
	Salt Spray Test	5% solution @ 90 °F (32 °C) 300 hour exposure: No adhesion loss or deterioration at completion of test.

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DIRECTIONS FOR USE

Surface Preparation: Surface must be structurally sound, and free of contaminants including dust, dirt, curing compounds, form release agents, oil, paint, and old coatings. Cure new concrete and masonry surfaces 28 days. Provide an absorptive surface by abrading all substrates including smooth precast or formed concrete. Concrete honeycombs, cavities, joints, cracks, voids, tie holes, and other defects must be opened and routed to sound material. Remove and replace broken or uneven brick/block. Remove form marks and other protrusions to prevent “show through”. Repair surface defects, cracks, and voids before applying CONCRETE FINISHER. Cure patches or other surface preparations 1/2 in. (1.3 cm) or less a minimum of 24 hours before applying CONCRETE FINISHER. Deeper fills will require longer curing periods. Dampen surface with potable water immediately before CONCRETE FINISHER application.

Mixing: Mechanically mix using a slow speed motor and mixing blade to thoroughly disperse ingredients. A mortar mixer may be used for larger quantities. Do not aerate the CONCRETE FINISHER mix. Make mixing liquid by blending 3 parts potable water with 1 part AKKRO-7T in a clean container. Pour approximately one half of the required mixing liquid into an empty, clean container, and begin slow speed power mixing while slowly adding CONCRETE FINISHER. Gradually add more CONCRETE FINISHER and mixing liquid to bring the mixture to the consistency of a heavy, completely blended “pancake batter.” Stop mixing, and allow material to “fatten” for 10 minutes, then remix, and if necessary, add more mixing liquid to adjust to proper application consistency. One 50 lb (22.7 kg) bag of CONCRETE FINISHER will require approximately 5.5 to 6.5 qt (5.2 L to 6.2 L) of mixing liquid when mixed for spray consistency, and 4 to 5 qt (3.8 L to 4.7 L) when mixed to trowel consistency. For estimating purposes, one bag of CONCRETE FINISHER will require approximately 1.5 to 2 qt (1.4 L to 1.9 L) of AKKRO-7T.

Application: Dampen surface with potable water before starting application. CONCRETE FINISHER should be applied while the wall is damp. **Trowel:** Used when the wall surface is uneven, and when it is necessary to level and hide varying surface textures. Trowel apply a base coat, and when partially set, double back with additional material. After the surface has set sufficiently, lightly float to an even, uniform texture using a sponge rubber float. Do not exceed 3/8 in. (0.95 cm) for each lift. To prevent “shadowing” or “photographing” caused by joints, small holes, or uneven absorption, the first coat must air cure a minimum of 5 days before the finish coat is applied. Proper trowel and float procedures will result in an even, uniform, attractive sand finish. A complete range of textures can be obtained by using standard plaster finishing techniques. Do not wet cure CONCRETE FINISHER. **Spray:** Used primarily when large areas are to be coated and when it is not necessary to level the wall. Spray applications will seal and decorate, but will not level the surface or fill holes. Some variance in the spray texture can be expected. Apply a light spray coat to retard surface absorption. Then, double back with additional material before the base coat has lost its sheen. For best results, use an overlapping, circular spray pattern. Do not exceed 3/8 in. (0.95 cm) for each lift. Two coats of CONCRETE FINISHER will be necessary to prevent “shadowing” or “photographing” caused by joints, small holes, or uneven absorption. Air cure the first coat for a minimum of 5 days before the final coat is applied. Use only high production plaster spray machines or hopper-type texture spray guns. Do not use high pressure or airless spray equipment. The AKKRO-7T to water ratio may require adjustment when spraying CONCRETE FINISHER. Do not wet cure CONCRETE FINISHER.

PRECAUTIONS/LIMITATIONS

- Do not apply to frozen or frost filled surfaces or when temperature is below, or expected to fall below 40 °F (4 °C) in 24 hours.
- Do not use on traffic bearing surfaces.
- When applied to the inside of open cisterns, tanks, pools, etc., do not fill with water for at least 7 days after application.
- When using CONCRETE FINISHER containing AKKRO-7T in enclosed tanks or reservoirs, ensure that adequate ventilation is available during application and the total curing period.
- Allow minimum 24 hours drying time before application of a liquid polymer decorative coating.
- CONCRETE FINISHER is not recommended on the negative side where hydrostatic pressure is present.
- Some colors of CONCRETE FINISHER may chalk or show water marks upon weathering.
- Protect from moisture during storage.
- In all cases, consult the Safety Data Sheet before use.

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