



OmegaCrete

Vertical Concrete Finish Coat



Coverage

Approximately 100 ft² (9.3 m²) at a 1/16" thick.

Coverage may vary due to ambient temperature, surface temperature, surface porosity, mixing methods, and/or application methods.

Packaging

Moisture resistive, 50lb (22.7kg) bags or 50lbs in 5 gal. pails

Storage

1. Store in a cool, dry location.
2. Store away from direct contact with the ground and/or concrete.
3. Store out of direct sunlight.
4. Protect from weather and other damage.

Shelf Life

1 year

Color

Light Grey / Cement

Product Description

OmegaCrete is a premium, one component, polymer-modified cementitious coating designed to create a smooth finish on poured-in-place, tilt-up, precast, or other concrete surfaces. Specially formulated to be easily applied over these porous substrates, OmegaCrete will cure to become an integral part of the wall while maintaining the wall's durability and breathability. OmegaCrete is an excellent choice to cover bugholes, honeycombs, and other small imperfections in concrete surfaces to produce a clean, uniform, smooth appearance.

Features

Benefits

<i>Vapor Permeable</i>	Allows wall to naturally breath
<i>No VOCs</i>	Low odor and toxicity
<i>Single component</i>	Only requires water to be added, which reduces chance of mixing errors or inconsistencies
<i>Easy to Use</i>	Excellent workability, sandable, and cleans up with water
<i>Versatile</i>	Applied feather-edge to 1/4" thick in one pass

Basic Uses

OmegaCrete is designed to be a skim coat finish over vertical or overhead concrete substrates to create a clean, smooth, cement appearance. It may be left exposed, sealed, or painted.

OmegaCrete can be used in interior or exterior applications.

Area of Use

OmegaCrete may be applied over the following properly prepared substrates:

1. Poured-in-place and/or tilt-up concrete
2. Precast concrete
3. Stucco/Brown coat
4. Masonry – CMU, brick, and porous stone or tile
5. Other approved, porous substrates



Surface Preparation

All surfaces to receive application must be properly cured, structurally sound, clean and free of debris, dirt, dust, efflorescence, grease, oils, curing agents, and cleaning solutions. If necessary, roughen or etch smooth surfaces such as precast and cast-in-place concrete to ensure good mechanical adhesion of OmegaCrete. Repair all larger cracks or voids with the appropriate patching material for the existing substrate. Just prior to application, dampen all surfaces that are to receive the OmegaCrete with clean, potable water.

Mixing

Mix by hand or use a paddle mixer of less than 300 RPM to avoid over entraining air.

1. Gradually add 50 lbs of OmegaCrete to approximately 2 gallons (7.6L) of cool, potable water while mixing. Do not use hot or warm water.
2. Mix the material thoroughly to a smooth consistency.
3. Allow it slake (stop mixing) for 5 to 10 minutes then break the set (remix). Do not add additional water or powder after slake period.
4. During the application, occasionally stir the mixture to help maintain workability.

Application

1. Evenly wet the substrate with potable water.
2. Apply OmegaCrete using a brush, float, or trowel with sufficient pressure to fill any surface defects. Maximum thickness of a single coat should be approximately 1/4-inch.
3. If desired, after the first coat has sufficient strength, apply a second coat and trowel to desired appearance.
4. If desired, sand OmegaCrete once it has dried.

Curing

Curing and/or drying time may vary due to climatic conditions. Drying should occur within 24 hours at an ambient and surface temperature of 70°F (21°C) and 55% R.H. When hot, dry, or windy conditions exist, protection should be provided. All freshly applied material must be protected from inclement weather until fully dry. Full adhesion strength should take one to four days. Full curing strength typically occurs in approximately 28 days.

Limitations

DO NOT apply product when the ambient and surface temperature is below 40°F (4°C).* The ambient and surface temperature must maintain the above requirements until fully dry (See CURING). Material that is allowed to freeze before fully drying may suffer irreparable damage.

DO NOT add any other materials to the mixture of the product without written approval from Omega Products International.

DO NOT deviate in the mixing or application procedures contained in this, or any other Omega product data sheets, without written approval from Omega Products International.

DO NOT apply OmegaCrete if there are contaminants on the receiving surface. Contaminates may include, but are not limited to dust, debris, efflorescence, and/or oils.

DO NOT use a paddle-type mixer that exceeds 500 RPM.

DO NOT use on a wearing surface.

NOTE: Failure to follow manufacturer's written specifications could result in the following, but not limited to spalling, cracking, peeling, chipping, delamination, discoloration, wash off, and overall system failure.

Due to job conditions beyond the control of Omega Products International we make no warranty as to the acceptance of the final color. The finish should be applied on a sample section of the project and verified for color accuracy prior to the actual application process.

Cleaning

Cleaning may be accomplished with water immediately after use.

Safety

Avoid contact with eyes or prolonged contact with skin. Wash thoroughly after handling. In case of eye contact, flush immediately with running water for at least 15 minutes. Consult a physician immediately. Do not take internally. Be sure to provide adequate ventilation in enclosed areas. Use of an approved respirator is recommended.

Technical Data

TEST	METHOD	RESULTS	
Compression Strength	C109 MOD.	1 day	2500 psi
		7 days	4000 psi
		28 days	5000 psi
Tensile Strength to Concrete	C1583 MOD.	180 psi	
Initial Set Time	-	1.5 hours	
Final Set Time	-	2 hours	

KEEP OUT OF REACH OF CHILDREN

www.omega-products.com

Disclaimer

Omega Products International [Manufacturer] MAKES NO WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE WITH RESPECT TO THE PRODUCT(S) SOLD HEREIN. The recommendations, suggestions, statements and technical data are based on the best knowledge available to Manufacturer and are given for informational purposes ONLY and without any responsibility for their use. It is expressly understood and agreed, as a condition of the use of this product, that the buyer's sole and exclusive remedy for any claimed defective product against Manu-

facturer shall be the replacement of products actually proven to be defective. Handling and use of the products are beyond the control of Manufacturer; therefore, no warranty is made, expressed or implied, as to the results obtained from the use of the product or against any claims for infringement of patents resulting from use of the product. Under no circumstance shall Manufacturer be liable for incidental or consequential damages arising out of the use or the improper application of the product. Before applying the product, the user shall determine the suitability of the product

for his/her independent use, assuming all risks and liability whatsoever in connection therewith. This writing constitutes a complete and exclusive statement of the understanding between Manufacturer and Buyer.

Claims

Any Claimant shall notify Manufacturer immediately in writing of any alleged defect in the material. Claimant will provide Manufacturer with a reasonable and exclusive opportunity to investigate and test for the alleged defect.

For any claim that is not valid Claimant agrees to pay Omega's reasonable charges, including travel and labor associated with investigation of such claim.

Technical Assistance

Technical assistance and information is available by calling Omega Products International at (800) 600-6634 or FAX (951) 520-2594 or by e-mail at info@omega-products.com.

Warranty

The following is made in lieu of all expressed and implied rights, warranties and conditions, statutory or otherwise. The manufacturer's only obligation shall be to replace such quantity of products proven to be defective within one year following the date of manufacture, provided that the alleged defective product is returned prepaid to the manufacturer's plant and is accompanied with proof of purchase and batch number.