



OmegaBlock

A Cementitious Waterproof Coating



Packaging

50lb (22.7kg) bags

Coverage

Approximately 225 ft² (20.9 m²) at a 1/16" thick coat. Coverage may vary due to ambient temperature, surface temperature, surface porosity, and/or application methods.

Storage

1. Store bags 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 bags from weather and other damage.

Shelf Life

1 year

Color

Light grey

Product Description

OmegaBlock Cementitious Waterproof Coating is a premium, one component cementitious coating designed to waterproof concrete and masonry. It is manufactured with cement, sand, polymers and other proprietary components that combine superior waterproofing qualities with the durability of a cement coating that becomes a part of the substrate. OmegaBlock is easily applied using a roller, brush, trowel, or a sprayer.

Features

Benefits

<i>Waterproof</i>	Protects against moisture intrusion and freeze/thaw damage
<i>Durable</i>	Long life-cycle with no required maintenance
<i>Resists positive and negative hydrostatic pressure</i>	Can be used above and below grade in a variety of environments
<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>	Applied using a brush, roller, or sprayer and cleans up with water

Basic Uses

OmegaBlock is used on recommended substrates to waterproof basement walls, retaining walls, fountains, reservoirs and any other substrate requiring a durable waterproof finish.

Area of Use

OmegaBlock may be applied over the following properly prepared substrates:

1. Concrete
2. Stucco/Brown coat
3. Masonry – CMU, brick, and porous stone or tile
4. Cement mortar beds
5. Other approved, porous substrates

Surface Preparation

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

Mixing

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

1. Gradually add one 50 lb sack of OmegaBlock 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 to slake (stop mixing) for 10 to 15 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 OmegaBlock using a brush, broom, trowel, or sprayer in a continuous layer while working the material into the substrate to ensure no pinholes or voids. Spray applications should be back brushed to help ensure no voids and even application. Apply the material in a general vertical or horizontal direction.
3. For best results, apply a second coat 12-24 hours after applying the first coat. Apply the material perpendicular to the direction of the first coat; i.e. if the first coat was applied horizontally then the second coat should be applied vertically. This will help ensure complete coverage of the substrate.

NOTE: When applying other unmodified cement-based products, such as mortar or stucco, over OmegaBlock, the use of a bonding agent or acrylic admix is required to ensure proper bond. Omega BondCrete or AkroLoc are recommended bonders. Omega AkroLoc, Admix 500, or PolyLoc are recommended admixes. See the applicable Omega data sheet for additional information.

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 OmegaBlock 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 mixer that exceeds 500 RPM.

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 actual integrally colored 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.

KEEP OUT OF REACH OF CHILDREN

Technical Data

TEST	METHOD	RESULTS	
Compression Strength	C 109C	7 day	2860 psi
		28 day	3600 psi
Tensile	C 190	7 day	450 psi
		28 day	503 psi
Flexural	C 348	7 day	824 psi
		28 day	1002 psi
Freeze Thaw (50 cycles)	C67	Pass	
Water Absorption	ISO 15148	449 g/m ² in 24hrs	
Water Beading	Lab	Excellent	
Hydrostatic Pressure	Lab	Excellent	

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 Manufac-

turer 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.