OmegaBlock - A Cementitious Waterproof Coating

Product Description
OmegaBlock 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

<table>
<thead>
<tr>
<th>Feature</th>
<th>Benefits</th>
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<tbody>
<tr>
<td>Waterproof</td>
<td>Protects against moisture intrusion and freeze/thaw damage</td>
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<tr>
<td>Durable</td>
<td>Long life-cycle with no required maintenance</td>
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<tr>
<td>Resists positive and negative hydrostatic pressure</td>
<td>Can be used above and below grade in a variety of environments</td>
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<tr>
<td>Vapor Permeable</td>
<td>Allows wall to naturally breath</td>
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<tr>
<td>No VOCs</td>
<td>Low odor and toxicity</td>
</tr>
<tr>
<td>Single component</td>
<td>Only requires water to be added, which reduces chance of mixing errors or inconsistencies</td>
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<tr>
<td>Easy to Use</td>
<td>Applied using a brush, roller, or sprayer and cleans up with water</td>
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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

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
Application Instructions

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 overentraining 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.

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

<table>
<thead>
<tr>
<th>TEST</th>
<th>METHOD</th>
<th>RESULTS</th>
</tr>
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<tbody>
<tr>
<td>Compression Strength</td>
<td>C 109C</td>
<td>7 day 2860 psi</td>
</tr>
<tr>
<td>Tensile</td>
<td>C 190</td>
<td>28 day 3600 psi</td>
</tr>
<tr>
<td>Flexural</td>
<td>C 348</td>
<td>7 day 450 psi</td>
</tr>
<tr>
<td>Freeze Thaw (50 cycles)</td>
<td>C67</td>
<td>Pass</td>
</tr>
<tr>
<td>Water Absorption</td>
<td>ISO 15148</td>
<td>449 g/m² in 24hrs</td>
</tr>
<tr>
<td>Water Beading</td>
<td>Lab</td>
<td>Excellent</td>
</tr>
<tr>
<td>Hydrostatic Pressure</td>
<td>Lab</td>
<td>Excellent</td>
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Disclaimer
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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 satisfied 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.