

TOTAL GUARD

BWB

888.702.9915
www.totalwall.com

Bulk Water Barrier

AMERICA'S EIFS AND STUCCO COMPANY!

TOTAL GUARD BWB is a trowel-applied coating, which waterproofs and protects various substrates including rigid polystyrene insulation, ICF (Insulated Concrete Forms), raw masonry wall surfaces and approved sheathings (wood and paper-faced gypsum sheathings are not approved).

TOTAL GUARD BWB is ideal for waterproofing and protecting exterior walls such as foundations, parapet walls, or any wall surface which may experience temporary ponded water exposure, direct water runoff, or other high moisture exposure conditions.

TOTAL GUARD BWB may also be used to increase the water resistance of interior walls when high moisture exposure conditions are anticipated.

TOTAL GUARD BWB is applied in two coats over standard 4-ounce fiberglass reinforcing mesh directly to the substrate. TOTAL GUARD BWB is available as a 2-part product. Part A is a dry mix containing Portland cement, microfibers, aggregates and proprietary agents and is packaged in 50 lb. units. Part B is a liquid polymer resin system and is packaged in half-gallon jugs (for individual units of Part A), and 2 or 5-gallon pails (for larger projects).

*When The Conditions
Are Harsh,*



Be Glad You're Wearing Your Best Armor!

TOTAL GUARD BWB may be top-coated with any TOTAL WALL Synthetic Textured Finish Coat.

Features

- Easy trowel applied application
- For Foam, Masonry & other substrates
- Interior or Exterior
- Easily top coated with a Finish Coat
- Safe and non-toxic

Coverage

Estimated Coverage per
50 LB bag of mix:

80 - 100 square feet/bag
as a base coat.

30 - 40 square feet/bag
as adhesive and
coating

Mixing Instructions

TOTAL GUARD BWB Part A is a dry powder and is packaged in 50# units.

TOTAL GUARD BWB Part B is a milky liquid and is packaged in half-gallon jugs, 2-gallon and 5-gallon pails.

In a clean 5-gallon mixing container add one half-gallon of TOTAL GUARD BWB Part B liquid polymer resin plus one half-gallon of clean water. While mixing with a low speed jiffy mixer, slowly add one 50-pound unit of TOTAL GUARD BWB Part A dry powder into the liquid. Pause mixing and scrape the sides of the mix container with a spatula or margin trowel. Add up to one quart of additional water to adjust to a smooth trowel-grade consistency. After initial mixing, allow the mix to stand for 15 minutes then remix for one minute to break the false set. Mix pot-life will vary depending on temperature and batch size but can be anticipated to be 45 minutes. TOTAL GUARD BWB may be re-tempered one time if mix becomes too stiff. Final consistency should be a creamy trowel-grade mixture.

Application

Rasp or wash the surface as necessary to ensure surface is clean and free of dirt or any substance which may interfere with bond. TOTAL GUARD BWB is designed to work with Total Wall Standard 4-ounce Mesh. Note: For Polystyrene surfaces, Total Wall Self-Stick Mesh may be used as an alternative to Total Wall Standard Reinforcing Mesh. Fill any gaps in polystyrene joints with slivers of polystyrene or EnerFoam or WindLock Foam to Foam and later rasp the foam level to the surrounding surface.

USING SELF-STICK MESH (Polystyrene substrates only): When Using Self-Stick Mesh, apply the mesh directly to the raw polystyrene surface in horizontal runs. Cover all exposed polystyrene with the Self-Stick Mesh and lap runs at least one inch. Trowel or brush a 1/16" thick skim-coat of TOTAL GUARD BWB over the mesh. After a minimum of 20 minutes, double

back with a second trowel pass and apply an additional 1/16" of TOTAL GUARD BWB.

USING STANDARD 4-OUNCE

MESH (All approved surfaces): Begin by applying a 1/16" skim-coat of TOTAL GUARD BWB. Immediately embed runs of Standard Mesh (or Self-Stick Mesh) by using a trowel and, working from the center outward, press the mesh into the wet TOTAL GUARD BWB. Lap runs of Mesh at least 2-1/2". After a minimum of 20 minutes, double back with a second trowel pass and apply an additional 1/16" of TOTAL GUARD BWB. All exposed wall surfaces should be covered with Mesh and TOTAL GUARD BWB. At the intersection of a wall and foundation footer, lap at least 3 inches of Mesh and TOTAL GUARD BWB onto the concrete. Allow curing for a minimum of 18 hours protected from precipitation and freezing conditions. TOTAL WALL Synthetic Finish may be applied after 18 hours.

Technical Data

This product meets ASTM C595 specifications for Blended Hydraulic Cement
Portland cement meets standard ASTM C150
Aggregates- meet standards ASTM C33, ASTM C144 and ASTM C778
Hydration Control - balanced lime blend meets standard ASTM C207
Modifiers - specialty hydrating agents and wetting agents
Reinforcement - natural mineral fibers
Polymer Resin Category - Polystyrene Butadiene Rubber

Seven-day cure physical properties:
Compressive strength >3000psi
ASTM C109
Tensile Strength >500 psi
ASTM C190
Flexural Strength >950 psi
ASTM C348
Abrasion Resistance 0.7% Wt. Loss ASTM D4060

Part A Appearance - Dry, gray powder
Part B Appearance - Milky Liquid
pH (wet). Approx. 10.5
Density (wet). 1.8 - 2.1 grams/cc

Limitations Do not apply to frozen walls or in temperatures below freezing. Use only clean potable mix water. When possible, schedule work to avoid application in direct sunlight. TOTAL GUARD BWB is not intended for use on wall systems with a designed high perm rate. TOTAL GUARD BWB has a perm rating lower than Portland cement stucco or concrete masonry.

Availability

Part A - Net Weight 50 lbs. per unit US dry weight
Part B - Net Weight 4.2 lbs. per half-gallon jug, or 16.8 pounds per 2-gallon pail.
Total Wall Reinforcing mesh must be ordered separately. Estimated Coverage per 50-pound unit of mix is 60-80 square feet at approx. 1/8" thickness.

Handling and Storage

Do not apply to frozen or saturated surfaces. Do not apply if precipitation is forecast within 8 hours of application. Do not apply if the temperature cannot be maintained above 40 F for 18 hours. Shelf life in unopened units is 12-18 months when stored in proper conditions. Store under cover in a dry area where the temperature is between 40 F and 95 F.

Maintenance

If damage occurs to an installed system, please contact Total Wall, Inc. for information on repair.

Precautions

Part A is a Portland cement-based material. Part B is an alkaline resin emulsion system. Do not ingest. Avoid contact with skin and eyes. In case of contact, flush with water. For contact with eyes, get immediate medical attention in addition to flushing. Wear safety glasses and protective clothing. Keep out of reach of children and pets.



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