

# PRODUCT DATA

**TOTAL WALL**  
Total Quality. Total Service. Total Satisfaction.

Customer Service: 888-702-9915  
Technical Assistance: 888-702-9917  
[www.totalwall.com](http://www.totalwall.com)

## 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.

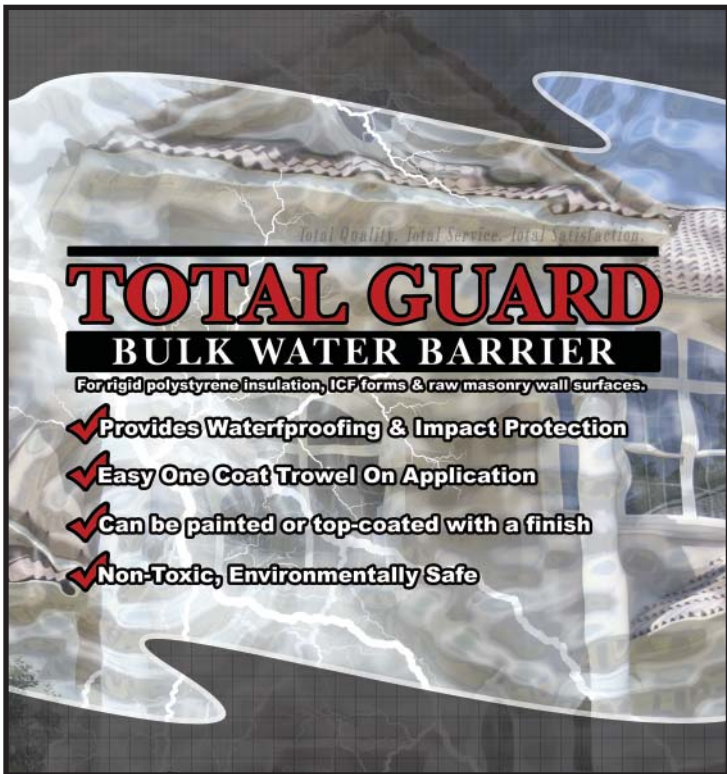
In a clean 5-gallon mixing container add one half-gallon of TOTAL GUARD BWB Part B liquid polymer resin plus one half-gallon of clean water. While mixing with a low speed jiffy mixer, slowly add one 50-pound unit of TOTAL GUARD BWB Part A dry powder into the liquid. Pause mixing and scrape the sides 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.

Option: TOTAL WALL Synthetic Finish or T-Wall Lastic may be used for an attractive and durable finish coating. Total Glaze Coat clear sealer may be applied over the finish for protection from ponded conditions.

## Application

Rasp or wash the surface as necessary to insure it is clean and free of dirt or any substance that 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.



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 that may experience temporary ponded water exposure, direct water run-off, 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, micro-fibers, 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).

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

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**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 >3000 psi 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 that is 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 approximately 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 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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