



# SonoWall

PRODUCT BULLETIN  
1026283

## StuccoBase™ Premix

### Uses of StuccoBase Premix

As a base coat for HardWall applications

### Where to Use StuccoBase Premix

- Over concrete or unit masonry
- Over the following substrates to which a water-resistive barrier and lath are attached: DensGlass Gold® (ASTM C1177), e<sup>2</sup>XP™ sheathing (ASTM C1177), GlasRoc® sheathing (ASTM C1177), Securock™ glass-mat sheathing (ASTM C1177) Fiberock Aqua-Tough™ sheathing, PermaBase™ cement-board by National Gypsum and other cement-boards (ASTM C1325 Type A Exterior), Exposure I or exterior plywood sheathing (grade C-D or better), Exposure I OSB and gypsum sheathing (ASTM C79/ASTM C1396).

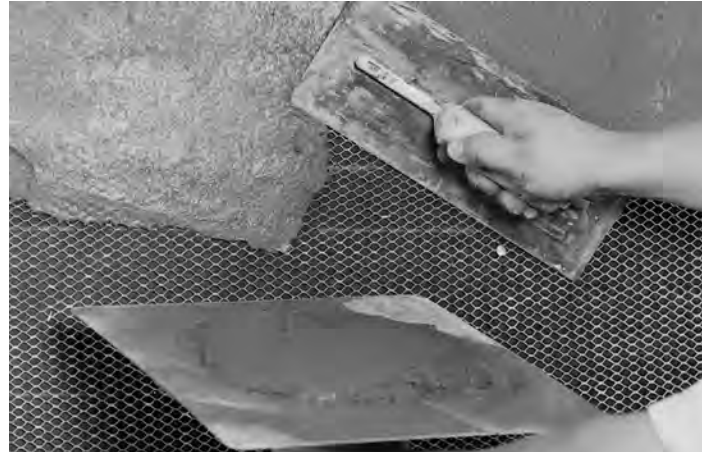
### Packaging

36.3kg (80 lbs) per bag

### Coverage

Coverage may vary depending upon surface conditions and application technique.

- 2.2–2.4 m<sup>2</sup> (23–26 ft<sup>2</sup>) per bag applied at 9.5 mm (3/8") thickness



**SonoWall StuccoBase Premix** is a factory prepared mixture of Portland cement, fibers, plaster sand and other proprietary ingredients. SonoWall StuccoBase Premix requires the addition of up to 11.4–13.3 liters (3–3.5 gallons) of potable water.

### Features

- **Precise factory-blended formula; bag contains all components including sand**
- **Fiber reinforced**
- **Superior weathering Properties**

### Benefits

- Easy to mix; provides high-quality, consistent-results
- Enhances crack resistance
- Long-term durability

## How to Apply SonoWall StuccoBase™ Premix

### Mixing

1. Use mixer which is clean and free of foreign substances.
2. Add 7.6–9.5 liters (2–2.5 gallons) of clean potable water to mixer.
3. Slowly add one bag of SonoWall StuccoBase Premix.
4. Mix for one minute at normal mixing speed. Allow material to set for 2–4 minutes with mixing blades at rest. Then re-mix, adding additional water to achieve desired consistency. Desired consistency varies with type of application (trowel or gun), substrate (lath or block) and whether the stucco is applied to a wall or a ceiling. Consistency can be checked by dropping a quarter on edge from a height of 6" above the mix. If the quarter disappears in the mix, it is too soft. The stucco has the right consistency if 3/4 to 7/8 of the quarter's diameter penetrates the mix.

**Note: Continuous mixing may cause excessive air entrainment.**

### Application

1. Apply SonoWall HardWall System materials in accordance with SonoWall specifications and details.
2. Over wood or metal framing with sheathing, a water-resistive barrier and PermaLath®, PermaLath 1000, wire fabric or metal lath must be installed in accordance with ASTM C1063, ASTM C847, ASTM C933, ASTM C1032. When installed over wood based sheathing (plywood, OSB, or asphalt-impregnated sheathing), two layers of grade "D" building paper are required by IBC/IRC or one layer of Grade D 60 minute paper with one layer of EPS or extruded polystyrene board with tongue and grooved edges, prior to installation of the PermaLath, PermaLath 1000, wire fabric or metal lath.  
**Note: Polymeric resistive barrier such as Tyvek Stuccowrap is required when installing PermaLath.**
3. Over concrete or masonry, remove all dust, dirt, grease, oil, laitance, efflorescence, biological residue, existing paint or coatings, curing compounds, form release agents or any other contaminants which might affect the bond.
4. Trim accessories are installed per the project requirements and/or specifications.
5. Apply mixed SonoWall StuccoBase to approved substrate by hand troweling or machine spraying in one or two coats to a minimum thickness of 9.5 mm (3/8") and a maximum thickness (2 coats) of 19 mm (3/4"). If applied in a two coat scratch and brown application, the thickness is a minimum 3/8" per coat for a total thickness of 3/4". Ensure the first coat is sufficiently rigid prior to application and leveling of the second coat. For localized areas, a slightly thicker application is acceptable. Level surface using rod or darby.  
- OR -  
Apply mixed SonoWall StuccoBase first scratch coat to approved substrate by hand troweling or machine spraying to a thickness of 9.5 mm (3/8"), ensuring that the first coat is thick enough to embed the lath and allow for scoring of the surface. As soon as first coat becomes firm, score the entire surface in one direction only. Score vertical surfaces horizontally.
6. Apply the second brown coat by hand troweling or machine spraying to a thickness of 9.5 mm (3/8") as soon as the first coat is rigid enough to accept it

without damage to the first coat. Level surface using rod or darby. Ensure that the second coat is applied over a damp first coat. The first coat and second coat combined thickness will be 19 mm (3/4").

Application of the second brown coat may be delayed, provided the second coat is applied over a damp first coat.

7. After surface has sufficiently hardened, use sponge or hard rubber float as required to fill voids, holes or imperfections, leaving surface ready to receive SonoWall finish coat.
8. Moisture curing of SonoWall StuccoBase by fogging is required as long as necessary to assure cement hydration.
9. Clean tools and equipment with water immediately after use. Dried material can only be removed mechanically.

### **Drying Time**

SonoWall StuccoBase™ Premix dries overnight under normal conditions; it achieves full strength in 28 days. Wait 6 days prior to finish application.

### **For Best Performance**

- Surface and ambient temperatures must be between 4°C and 36°C (40°F–100°F) during the application and curing.
- Do not install stucco under hot, dry, or windy conditions.
- Avoid applying in direct sunlight.
- Protect walls from rain, snow, and frost for a period of 48–72 hours; otherwise, low strength, streaking, or efflorescence may occur.
- Expansion joints are required at least every 13m<sup>2</sup> (144 ft<sup>2</sup>), at the junction of dissimilar substrates, at existing joints in the substrate, and at floor lines in multi-level construction.
- Do not install stucco over accessories, such as lights, bullet boxes, hose bibs.
- Texture will vary depending upon application technique and sand type; test installations are recommended.
- Apply SonoWall StuccoBase™ Premix in a continuous application within the area defined by expansion joints; always work to a wet edge to eliminate cold joints.
- To verify the most current version of this data guide is being used, visit [www.sonowall.basf.com](http://www.sonowall.basf.com) or call BASF Wall Systems' Technical Service Department (1-800-221-9255).
- Proper application is the responsibility of the user.

### **Technical Support**

Consult BASF Wall Systems' Technical Service Department (1-800-221-9255) for specific recommendations concerning all other applications.

## Health and Safety Information

### CAUTION

SonoWall StuccoBase™ Premix contains Portland cement, fly ash, gypsum, calcium hydroxide, magnesium hydroxide, silica, crystalline quartz.

### RISKS

Product is alkaline on contact with water and may cause injury to skin or eyes. Ingestion or inhalation of dust may cause irritation.

### PRECAUTIONS

KEEP OUT OF THE REACH OF CHILDREN. Prevent contact with skin and eyes. Prevent inhalation of dust. DO NOT take internally. Ingestion may cause irritation. Use only with adequate ventilation. Use impervious gloves, eye protection, and if the TLV is exceeded or used in a poorly ventilated area, use NIOSH/ MSHA approved respiratory protection in accordance with applicable federal, state, and local regulations.

### FIRST AID

In case of eye contact, flush thoroughly with water at least 15 minutes. SEEK IMMEDIATE MEDICAL ATTENTION. In case of skin contact, wash affected areas with soap and water. If irritation persists, SEEK MEDICAL ATTENTION. Remove and wash any contaminated clothing. If inhalation causes physical discomfort, remove to fresh air. If discomfort persists or any breathing difficulty occurs, SEEK IMMEDIATE MEDICAL ATTENTION. If swallowed, SEEK IMMEDIATE MEDICAL ATTENTION.

Refer to Material Safety Data Sheet (MSDS) for further information.

### PROPOSITION 65

This product contains materials listed by the state of California as known to cause cancer, birth defects, or other reproductive harm.

### VOC CONTENT

SonoWall StuccoBase™ Premix contains 0.0 g/L or 0.0 lbs per gallon.

**FOR MEDICAL EMERGENCIES ONLY: CALL CHEMTREC  
1-800-424-9300.**

### Note

BASF Wall Systems is an operating unit of BASF Construction Chemicals, LLC. (herein after referred to as "BASF Wall Systems")

### Residential Policy

Apply walls systems in accordance with local building codes in force at the time of construction. On one and two-family residential framed construction, BASF Wall Systems requires that the wall system selected be one that includes provisions for moisture drainage. Please view the *Senergy Residential Policy Bulletin* on the Senergy website for a more detailed discussion of this topic.

### Disclaimer

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