



SonoWall

PRODUCT BULLETIN
1018015

StuccoBase™

Uses of StuccoBase

As a base coat for HardWall applications

Where to Use StuccoBase

- Over concrete or unit masonry
- Over the following substrates to which a water-resistive barrier and lath are attached: DensGlass Gold® (ASTM C1177), e²XP™ 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).

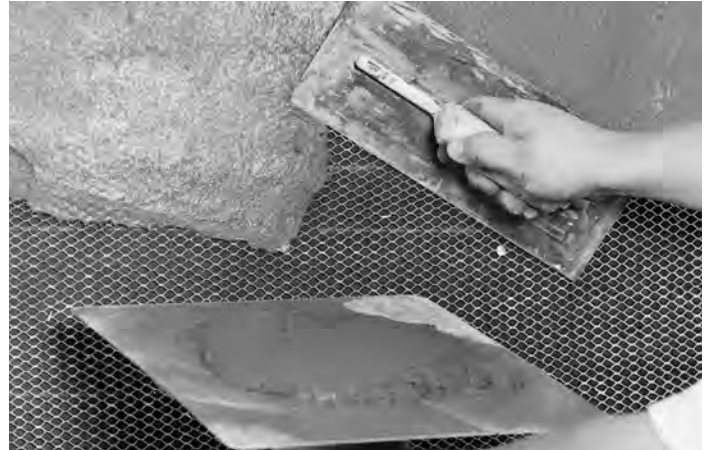
Packaging

36.3 kg (80 lbs) per bag

Coverage

Coverage may vary depending upon surface conditions and application technique.

- 7.43–8.36 m² (80–90 ft²) per 80 lb bag at a thickness of 3/8" to 1/2"



StuccoBase is a cement-based, fiber-reinforced base coat for HardWall applications.

Features

- **Superior weathering properties**
- **Proprietary formulation**
- **Fiber reinforced**
- **Needs only addition of water and sand**
- **Concentrated for use with local sand**

Benefits

- Long-term durability
- Improved moisture resistance and low water absorption
- Resists shrinkage cracking when properly cured
- Easy to mix and use
- Economical

How to Apply StuccoBase™

Mixing

1. Use mixer which is clean and free of foreign substances.
2. Add 18.9–22.7 L (5–6 gallons) of clean potable water to mixer per bag of StuccoBase.
3. Add one bag of SonoWall StuccoBase.
4. Add one half 45.4-54.4 kg (100–120 lbs) of the required plaster sand (ASTM C144 or ASTM C897).
5. Mix for 3–4 minutes at normal mixing speed while adding the remainder 45.4-54.4 kg (100–120 lbs) of the plaster sand. Allow material to set for 2–4 minutes, then remix adding water to achieve desired consistency.

Note: Over-mixing may cause excessive air entrainment.

Plaster sand must be clean and free from deleterious amounts of loam, clay, silt, soluble salts and organic matter. Sampling and testing must comply with ASTM C144 or ASTM C897. Plaster sand must be graded within the following limits:

Weight Percent of Sand Retained +/- 2 Percent		
U.S. Standard Sieve	Min.	Max.
No. 4	-	0
No. 8	0	10
No. 16	10	40
No. 30	30	65
No. 50	70	90
No. 100	95	100

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

StuccoBase™ dries overnight under normal conditions; it achieves full strength in 28 days. Wait 6 days minimum 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.
- Control joints are required at least every 13m² (144 ft²). Expansion joints are required 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 StuccoBase™ 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 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

StuccoBase™ contains Portland cement, fibrous glass.

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

StuccoBase™ 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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Mixed Sources (Paper)

Product group from well-managed forests, controlled sources and recycled wood or fiber

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