FINESTONE®

PRODUCT BULLETIN
1017842

A/BC 1-STEP

PACKAGING
22.7 kg. (50 lb.) bag

APPROXIMATE COVERAGE RATES
As an adhesive only:
6.5 m^2 (70 ft^2) per bag, using a notched trowel

As a base coat only:
11.1 m^2 (120 ft^2) per bag with standard mesh

As adhesive & basecoat:
4.6 m^2 (50 ft^2) per bag

WORKING TIME
Approximately 1 hour after mixing, depending on ambient temperature and humidity.

CURING TIME
As an adhesive:
Cure for a minimum of 24 hours after using to adhere insulation board before rasping and applying base coat or performing further work over the newly installed insulation board.

As a base coat:
Protect from rain and temperatures of less than 4° C (40° F) for a minimum of 24 hours. Higher humidity and/or cooler temperatures may require longer protection. Allow to cure 24 hours prior to finish application.

STORAGE
Store in original containers at temperatures not less than 4° C (40° F) or greater than 43° C (110° F). Store out of direct sunlight and protect from weather. Do not stack pallets.

SHELF LIFE
Approximately 1 year, properly stored in original containers.

FINESTONE A/BC 1-STEP *is a ready-mix blend of dry polymers and Portland cement that is easily mixed with water on the job-site to produce a flexible, cementitious adhesive and base coat for Finestone Class PB EIFS, Finescreen Cement Board Stucco (CBS) and Surfacing Systems. Used to adhere EPS insulation board and embed reinforcing mesh, A/BC 1-Step's factory-controlled mix is freeze stable in dry form. After mixing, its creamy consistency assures smooth, efficient troweling.*

BASF
The Chemical Company

A/BC 1-STEP

FEATURES	ADVANTAGES
• Ready-mix formula	Easy to mix quickly and accurately on job-site; saves time
• Factory blend of dry polymers and Portland cement	Excellent adhesion, durability, flexibility and weather resistance; quality assurance
• Lower Portland cement content	Higher strength with lower weight
• Freeze-stable dry mix	Not susceptible to freezing during shipping and storage
• Smooth, creamy consistency	Easy to trowel on to achieve quality mesh embedment; less drag reduces applicator fatigue
• Water-based	Safe for workers and environment; easy clean up

RECOMMENDED USES

As an adhesive in Finestone EIFS
To adhere Finestone EPS Insulation Board to the following exterior wall surfaces
- Gypsum sheathing – ASTM C79
- DensGlass Gold® sheathing - ASTM C1177
- Cement board – ASTM C1325
- Unpainted brick, concrete, masonry or stucco surfaces
- Diamond mesh metal lath:
  - 3.4 galv. lath over stud and sheathing construction
  - 2.5 galv. lath over concrete and masonry substrates

To laminate EPS to EPS to create projected architectural details

As a base coat in Finestone EIFS and Finescreen Cement Board Stucco Systems

To embed reinforcing mesh and create the base coat system

To smooth surfaces of concrete or masonry substrates in preparation for installation of Pebbletex EIFS or Pebbletex Finish

Note: See "Finestone Approved Substrate Selector" for comprehensive recommendations of appropriate substrates.

LIMITATIONS

Do not use on wood or metal surfaces.

Do not use on painted surfaces.

Install only when temperatures will be at least 4° C (40° F) and higher for at least 24 hours.

Protect from rain for at least 24 hours.

MIXING

Mix ratio is 5.6 L (1.4 gal.) of potable water per one 23-kg. (50-lb.) bag of A/BC 1-Step.

For best results, mix at 400-500 rpm, using a heavy duty 50 mm (1/2") drill with a jiffler-type paddle (Goldblatt Jiffler Mixer No. 15311 H7 or similar).

Pour 5.6 L (1.4 gal.) of clean potable water into a clean 19 L (5 gal.) plastic pail. Add A/BC 1-Step in small increments, mixing after each addition. Mix A/BC 1-Step and water with a mixer until thoroughly blended. Additional A/BC 1-Step or water may be added to adjust workability. Let the mixture sit for 5-10 minutes then stir to a creamy consistency before use.

Do not overmix. Excessive stirring will cause faster setting and significantly reduce working time.

Do not add accelerators, retarders or other admixtures to the A/BC 1-Step.

APPLICATION / AS AN ADHESIVE

Surface Preparation
Substrates must be sound and free of paint, dirt, grease, oil, efflorescence, form release agents and curing compound.

Substrates must be flat within 6.4 mm in 3 m (1/4" in 10').

Attach Finestone Detail Mesh at all termination points of the Finestone EIFS to allow for backwrapping. (See Finestone Pebbletex EIFS Guide Specification for instructions.)

Equipment
Use a 10 mm (3/8") x 10 mm (3/8") notched trowel where the notches do not exceed 10 mm (3/8") apart or other specified trowel.

Application Procedures
Apply the A/BC 1-Step directly to the back of the insulation board using the recommended notched trowel. Cover the entire back of the board with full beads of adhesive formed by the notched trowel.

Alternative Method for Brick and Masonry: Apply the A/BC 1-Step directly to the back of the insulation board using the "Ribbon and Dab" method. Apply a 50 mm (2") wide by 10 mm (3/8") high ribbon of A/BC 1-Step around the perimeter of the insulation board. Then apply 8 dabs of A/BC 1-Step approximately 102 mm (4") in diameter, 10 mm (3/8") high and 204 mm (8") apart on center within the perimeter ribbon.

Immediately install the prepared insulation board to the wall before the A/BC 1-Step begins to form a film on its surface. Make sure that the entire surface of the insulation board adheres to the substrate. Abut all edges of the insulation boards tightly together with no adhesive or gaps remaining between them. Small gaps will need to be filled with slivers of insulation board before next step.

Caution: Never apply A/BC 1-Step directly to the substrate.

Important: Allow adhesive of newly installed insulation board to cure for a minimum of 24 hours before doing any work over the boards.

APPLICATION / AS A BASE COAT

Surface Preparation
The Finestone Insulation Board must be well adhered to the wall. All gaps between the insulation board must be filled with slivers of insulation. Rasp the wall to a flat surface. Install all aesthetic joints and EPS details to the wall.

Equipment
For base coat application, use a stainless steel plastering trowel.

Application Procedures
Apply the A/BC 1-Step over the face of the insulation board in a thickness adequate to properly embed the Reinforcing Mesh, approximately 1.6 mm (1/16") for Standard Mesh and 3.2 mm (1/8") for Hi-Impact Mesh. Immediately lay the Reinforcing Mesh into the wet A/BC 1-Step and smooth the surface until the Reinforcing Mesh is totally embedded. The color of the mesh must not be visible. (See the Guide Specifications for Finestone Pebbletex EIFS for complete details.)

Allow to cure for at least 24 hours before applying finish. Protect from rain and from temperatures less than 4° C (40° F) for 24 hours.

CLEAN UP

Remove wet material from tools or other surfaces with soap and water. Dry material must be mechanically removed.

Technical Support
For further details, specifications, questions, specific recommendations, or the most recent product information, please consult BASF Wall Systems Technical Services: Toll-free 800-221-9255 or our website, www.finestone.basf.com

HEALTH AND SAFETY

Caution

Contains crystalline silica, Portland cement, calcium carbonate, fly ash, propietary polymer.

Risk

Product is alakaline on contact with water and may cause injury to skin or eyes. Ingestion or inhalation of dust may cause irritation. Contains crystalline silica. NTP and IARC recognize respirable crystalline silica as a human carcinogen. Repeated or prolonged overexposure to free respirable quartz may cause silicousis or other serious and delayed lung injury.

Precautions

Avoid contact with skin, eyes and clothing. Wash thoroughly after handling. Keep container closed when not in use. DO NO take internally. Use only with adequate ventilation. Use impervious gloves, eye protection and if the TLV is exceeded or used in a poorly ventillated area, use NIOSH/MSHA approved respiratory protection in accordance with applicable Federal, stat and local regulations.

First Aid

1. For eye contact, rinse eyes with water. Remove any contact lenses, and continue flushing with plenty of water for several minutes. Seek medical attention if irritation develops and persists.
2. For skin contact, wash affected areas with plenty of water, and soap if available, for several minutes. Seek medical attention if irritation develops and persists.
3. If inhaled, remove from area to fresh air. Seek medical attention if respiratory irritation develops or if breathing becomes difficult.
4. If swallowed, give 3–4 glasses of water, but do not induce vomiting unless directed to do so by a physician. Do not give anything by mouth to an unconscious or convulsing person. Seek medical attention

Read Material Safety Data Sheet before using this product.

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

0 g/l, or 0 lbs/gal less water and exempt solvents.

For medical emergencies only call CHEMTREC at (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

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. The choices include Pebbletex D line of drainage EIFS, FINESTONE Stucco Systems and Finescreen Cement Board Stucco Systems. There are no exceptions to this policy. Under no circumstances will BASF Wall Systems warrant the use of any other system on this type of construction without expressed written authorization from BASF Wall Systems [Residential construction using EIFS on masonry (CMU) or poured concrete does not require the additional water management provisions described above.] See the FINESTONE Residential Policy Bulletin for a more detailed discussion of this topic. Consult BASF Wall Systems Technical Services Department for specific recommendations concerning all other applications. Consult the FINESTONE website, www.finestone.basf,com for additional information about products and systems and for updated literature.

Disclaimer

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