

**Section 09200****FINESCREEN 1000**

High-impact resistant, water-managed wall system incorporating a cement-board core, reinforced base coat and 100% acrylic polymer exterior finish

**INTRODUCTION**

This Specification has been assembled to enable the design professional to select or delete sections to suit the project requirements and is intended to be used in conjunction with Finestone typical details, bulletins, etc.

Air Seals at any joints/gaps between adjoining components (penetrations, etc.) are of primary importance to maintain continuity of the air barrier system and must be considered by the design professional in the overall wall assembly design.

This specification is intended for applications on cement-board, ASTM C1325 Type A, Exterior, minimum 1/2" substrates, over the following sheathings that are first applied over the framing and which may be required to satisfy structural requirements and/or fire resistive construction requirements: Exposure 1 or exterior plywood (grade C-D or better), Exposure 1 OSB, e<sup>2</sup>XP™ by National Gypsum, GlasRoc® and GlasRoc® Type X by Certainteed, DensGlass Gold® sheathing (ASTM C1177), or water resistant core gypsum (ASTM C79/C1396).

**TECHNICAL INFORMATION**

Consult our Technical Services Department for specific recommendations concerning all other applications. Consult the Finestone website, [www.finestone.basf.com](http://www.finestone.basf.com), for additional information about products and systems and for updated literature.

**PART 1 - GENERAL****1.01 SECTION INCLUDES**

- A.** Finescreen 1000 System: composite wall system consisting of FINESTOP, FINESTOP RA or other code approved secondary air/weather barrier, Base Coat, Reinforcing Mesh and Finish Coat.
- B.** Schedule of Finestone Finish Coat.
- C.** Finestone products are listed in this specification to establish a standard of quality. Any substitutions to this specification shall be submitted to and receive approval from the Architect at least 10 days before bidding. Proof of equality shall be borne by the submitter.
- D.** The system type shall be Finescreen 1000 System as manufactured by BASF Construction Chemicals, LLC - Wall Systems (hereinafter referred to as "BASF Wall Systems"), Jacksonville, Florida.

**1.02 RELATED SECTIONS**

- A.** Section 05400 Cold-formed metal framing: Light gauge load-bearing metal framing
- B.** Section 06001 Plywood Substrate
- C.** Section 06110 Wood Framing
- D.** Section 07195 Air Barriers
- E.** Section 07620 Sheet Metal Flashing and Trim: Perimeter Flashings
- F.** Section 07650 Flexible Flashing
- G.** Section 07900 Sealants
- H.** Section 08000 Doors and windows
- I.** Section 09100 Metal Support Systems
- J.** Section 09110 Non-load-bearing wall framing: Non-load-bearing metal framing systems
- K.** Section 09250 Exterior Gypsum Substrates

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## 1.03 REFERENCES

- A. ASTM C150 Specification for Portland Cement.
- B. ASTM D1682 Test for Break Load and Elongation of Textile Fabrics.
- C. UL 723, ASTM E84 Tests for Surface Burning Characteristics of Building Materials.
- D. ASTM G23 Operating Light and Water Exposure Apparatus (Carbon-Arc Type) for Exposure of Non-metallic Materials.
- E. ASTM G53 Operating Light and Water Exposure Apparatus (Fluorescent UV-Condensation Type) for Exposure of Non-metallic Materials.
- F. ASTM C67 Sampling and Testing Brick and Structural Clay Tile.
- G. ASTM B117 Standard Method of Salt Spray (Fog) Testing.
- H. ASTM D968 Abrasion Resistance of Organic Coatings by Falling Abrasive.
- I. FS TT-C-555B Coating Textured for Interior and Exterior Masonry Surfaces.
- J. MIL-Y-1140G Yarn, Cord, Sleeving, Cloth and Tape-Glass.
- K. Mil. Std. 810B Mildew Resistance (Method 508)
- L. ASTM E96 Water Vapor Transmission (Method B)

## 1.04 DEFINITIONS

Finescreen 1000 System: composite wall system consisting of FINESTOP, FINESTOP RA or other code approved secondary air/weather barrier, Base Coat, Reinforcing Mesh and Finish Coat.

## 1.05 SYSTEM DESCRIPTION

Performance Requirements: System shall meet or exceed the following performance standards when tested in accordance with the following methods:

- A. Accelerated Weathering: ASTM G23-81 (testing period of 2000 hours) or ASTM G53-81 (testing period of 3000 hours); No cracking, flaking, or adverse effects.
- B. Wind-driven Rain: Federal Specification TT-C-555B; No visible leaks or dampness throughout to the rear face and less than 90 gram increase.
- C. Salt Spray Resistance: ASTM B117 Salt Spray (Fog) Testing; testing period of 300 hours; No adverse effects.
- D. Mildew Resistance: MIL Standard 810B, Method 508; no mildew growth supported after 28 days.
- E. Abrasion Resistance: ASTM D968-81, Method A; no cracking, checking, or loss of film integrity after 500 liters of sand.
- F. Surface Burning Characteristics: UL 723, ASTM E84; test specimen consists of Base Coat, Reinforcing Mesh and Finish Coat; flame spread less than 25 and smoke developed less than 450.

## 1.06 SUBMITTALS

- A. Submit under provisions of Section [01300] [01340].
- B. Product Data: Provide data on Finescreen 1000 System materials, product characteristics, performance criteria, limitations and durability.
- C. Shop Drawings: Indicate wall joint pattern and joint details, thickness, and installation details.
- D. Samples: Submit [two] [ x ] [millimeter] [inch] size samples of Finescreen 1000 System illustrating Finish Coat [custom] color and texture range.
- E. Certificate: System manufacturer's approval of applicator.
- F. System manufacturer's installation instructions: Indicate preparation required, installation techniques, jointing requirements and finishing techniques.

## 1.07 QUALITY ASSURANCE

- A. Manufacturer: More than 10 years in the EIFS industry, with more than 1000 completed EIFS projects.
- B. Applicator: Approved by Finestone in performing work of this section.
- C. Regulatory Requirements: Conform to applicable code requirements for finish system.

- D. Field Samples:**
1. Provide under provisions of Section [01400] [ ].
  2. Construct one field sample panel for each color and texture, [ x ] [meters] [feet] in size of system materials illustrating method of attachment, surface Finish, color and texture.
  3. Prepare each sample panel using the same tools and techniques to be used for the actual application.
  4. Locate sample panel where directed.
  5. Accepted sample panel [may] [may not] remain as part of the work.
  6. Field samples shall be comprised of all wall assembly components including substrate, insulation board, Base Coat, Reinforcing Mesh, primer, Finish Coat, and typical sealant/flashing conditions.
- E. Design and Detailing a Finescreen 1000 System :**
1. General
    - a. The system shall be installed in strict accordance with current recommended published details and product specifications from the system's manufacturer.
    - b. Sealants and backer rod as required at dissimilar materials and expansion joints within the Finescreen 1000 System shall provide a complete watertight system.
    - c. The use of dark colors on EPS trim bands/shapes must be considered in relation to wall surface temperature as a function of local climate conditions.
    - d. Minimum slope for all EPS shapes and projections shall be 1:2 with a maximum length of 30.5 cm (12") [e.g. 15 cm in 30.5 cm (6" in 12")], unless other manufacturer-approved detailing is shown on the construction documents.
  2. Substrate Systems
    - a. Deflection of the substrate systems shall not exceed L/360.
    - b. Acceptable Substrates: Applications on cement-board, ASTM C1325 Type A, Exterior, minimum 1/2" substrates, over the following sheathings that are first applied over the framing and which may be required to satisfy structural requirements and/or fire resistive construction requirements: Exposure 1 or exterior plywood (grade C-D or better), Exposure 1 OSB, Dens-Glass Gold (ASTM C1177), or water resistant core gypsum (ASTM C79/C1396).
    - c. Other substrates shall be approved by the system's manufacturer in writing prior to the application.
    - d. The applicator shall verify that the proposed substrate is acceptable prior to the Finescreen 1000 System installation.
    - e. The substrate systems shall be engineered with regard to structural performance by others.
  3. System Joints
    - a. Expansion joints in the system are required at building expansion joints, at prefabricated panel joints, floor-lines of wood frame construction, where substrates change and where structural movement is anticipated. It is the sole responsibility of the project design team, including the architect, engineer, etc., to ultimately determine specific expansion joint placement, width and design.
    - b. Reference construction documents for specific locations.
  4. Coordination with Other Trades
 

Architect shall evaluate adjacent materials such as windows, doors, etc. for conformance to manufacturer's details. Adjacent trades shall provide scaled shop drawings for review.

## **1.08 DESIGN RESPONSIBILITY**

- A.** It is the responsibility of both the specifier and the purchaser to determine if a product is suitable for its intended use. The designer selected by the purchaser shall be responsible for all decisions pertaining to design, detail, structural capability, attachment details, shop drawings and the like. BASF Wall Systems has prepared guidelines in the form of specifications, typical application details, and product bulletins to facilitate the design process only. BASF Wall Systems is not liable for any errors or omissions in design, detail, structural capability, attachment details, shop drawings or the like, whether based upon the information provided by BASF Wall Systems or otherwise, or for any changes which the purchasers, specifiers, designers or their appointed representatives may make to BASF Wall Systems published comments.

## **1.09 DELIVERY, STORAGE AND HANDLING**

- A.** Deliver, store and handle products under provisions of Section [01600] [01610] [ ].
- B.** Deliver Finescreen 1000 System materials in original unopened packages with manufacturer's labels intact.
- C.** Protect Finescreen 1000 System materials during transportation and installation to avoid physical damage.

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- D. Store Finescreen 1000 System materials in cool, dry place protected from freezing. Store at no less than 4°C/40°F (10°C/50°F for CORONAMIST, FINEMIST, MICALUX™ and MICAMIST Finish). Protect from extreme heat and direct sunlight.
- E. Store Finescreen 1000 System Reinforcing Mesh and Sheathing Fabric in cool, dry place protected from exposure to moisture.

## 1.10 PROJECT/SITE CONDITIONS

- A. Do not apply Finescreen 1000 System in ambient temperatures below 4°C/40°F (10°C/50°F for CORONAMIST, FINEMIST, MICALUX™ and MICAMIST Finish). Provide supplementary heat during installation and drying period when temperatures less than 4°C/40°F (10°C/50°F for CORONAMIST, FINEMIST, MICALUX™ and MICAMIST Finish) prevail.
- B. Do not apply Finescreen 1000 System materials to frozen surfaces.
- C. Maintain ambient temperature at or above 4°C/40°F (10°C/50°F for CORONAMIST, FINEMIST, MICALUX™ and MICAMIST Finish) during and at least 24 hours after Finescreen 1000 System installation and until dry.

## 1.11 SEQUENCING AND SCHEDULING

- A. Coordinate and schedule installation of Finescreen 1000 System with related work of other sections.
- B. Coordinate and schedule installation of trim, flashing, and joint sealers to prevent water infiltration behind the System.
- C. Coordinate and schedule installation of air/weather barrier, windows, doors, AC units etc.

## 1.12 WARRANTY

Provide Finestone standard ten-year coating material warranty for Finescreen 1000 System installations under provisions of Section [01700] [01740] [ ].

## PART 2 - PRODUCTS

### 2.01 MANUFACTURERS

Finescreen 1000 System manufactured by BASF Wall Systems

### 2.02 MATERIALS

- A. Finestone Base Coats:
  - [1. ADHESIVE/BASE COAT (A/BC) Base Coat: 100% acrylic base coat, field-mixed with Portland cement; manufactured by BASF Wall Systems]
  - [2. A/BC 1-STEP: Dry-mix base coat containing Portland cement; manufactured by BASF Wall Systems]
  - [3. FINEGUARD BASE COAT: 100% acrylic-based, water-resistant base coat, field-mixed with Portland cement; manufactured by BASF Wall Systems]
  - [4. FINEBUILD BASE COAT: Fiber-reinforced, 100% acrylic base coat, field-mixed with Portland cement; manufactured by BASF Wall Systems]
- B. Portland cement: conform to ASTM C150, Type I, II, or I/II, grey or white; fresh and free of lumps.
- [C. Finestone DRAINAGE MAT: three-dimensional drainage core consisting of fused, entangled filaments, supplied by BASF Wall Systems]
- D. Water: clean and potable without foreign matter.
- [E. Insulation Board: expanded polystyrene; ASTM C578 Type 1; flame spread less than 25, smoke developed less than 450 per ASTM E-84, UL 723; minimum density 15.22 kg/m<sup>3</sup> (0.95 lb/ft<sup>3</sup>); K=6.09 per millimeter (0.24 per inch) 19 mm (3/4") thickness minimum as indicated on drawings meeting the following:
  - 1. Air dried (aged 6 weeks, or equivalent prior to installation).
  - 2. Edges: square within 0.8 mm per meter (1/32" per foot).
  - 3. Thickness: tolerance of plus or minus 1.6 mm (1/16").]
- F. Finestone Reinforcing Mesh: MIL-Y-1140G; balanced, open weave glass fiber reinforcing mesh; twisted multi-end strands treated for compatibility with Finestone lamina components.
  - 1. STANDARD MESH: standard weight.
  - [2. CORNER MESH: intermediate weight, pre-marked for easy bending, for reinforcing at exterior corners.]
  - [3. SELF-ADHERING MESH TAPE (4" or 9"): a standard weight mesh coated with a pressure sensitive adhesive and used with FINESTOP or Base Coat as reinforcement over acceptable sheathing joints, rough openings and at terminations.]
  - [4. 4" SHEATHING FABRIC: for use with FINESTOP RA for reinforcement over acceptable sheathing joints, rough openings and at terminations.]

- G. FINEPRIME: 100% acrylic-based primer; color [ ] to closely match the selected Finestone Finish color; manufactured by BASF Wall Systems]
- H. Finestone Finish Coat: PEBBLETEX 100% acrylic resin finish; air cured, compatible with Base Coat; Finish color factory-mixed; color [ ] as selected; Finish texture [NATURAL SWIRL] [LIMESTONE] [FINETEX] [CLS 1.5] [MOJAVE] [ENCAUSTO VERONA] [METALLIC] [MICAMIST] [FINEMIST] [CORONAMIST] [MICALUX] as scheduled.]
- I. MAXIMUM A/S: Factory mixed additive, for maximum resistance to soiling. Siloxane polymer (silicone) is added. Silicone polymers reduce mildew and algae growth, stay cleaner, and are hydrophobic.]
- J. X-L: Factory mixed mildew protection additive]
  - Note: Maximum A/S and X-L factory mixed additives may only be added to standard Pebbletex Finishes, Aggrelastic Finishes and standard Finestone coating products and are not intended for use in Finestone Specialty Finishes [METALLIC] [MICAMIST] [FINEMIST] [CORONAMIST] [MICALUX].**
- K. BASF Wall System's ANTICOGLAZE™: 100% acrylic stain, manufactured by BASF Wall Systems]

## 2.03 ACCESSORIES

- A. Starter track, L bead, J bead, angled termination bead, casing beads, corner beads, expansion joints and weep screed must comply with ASTM D1784 or C1063 for vinyl. Type as recommended by BASF Wall Systems.
- B. Air/Weather Barrier
  - 1. a. FLASHING PRIMER: water-based primer for use prior to application of FINESTONE FLASHING TAPE FF on all acceptable surfaces.
  - b. FINESTONE FLASHING TAPE FF: 30-mil thick, self-sealing, self-healing composite membrane of polyester fabric and rubberized asphalt. Compatible with FINESTOP or FINESTOP-RA Air/Weather Barrier.
    - OR -
    - Finestone SELF-ADHERING MESH TAPE 4: 100 mm (4") balanced, open weave glass fiber reinforcing mesh with adhesive; twisted multi-end strands treated for compatibility with system components for use with FINESTOP
    - OR -
    - STANDARD MESH: 100 mm (4") balanced, open weave glass fiber Reinforcing Mesh; twisted multi-end strands treated for compatibility with system components for use with FINESTOP.
    - OR -
    - 4" SHEATHING FABRIC: 100mm (4") spunbonded non-woven reinforced polyester web for use with FINESTOP-RA.
  - 2. FINESTOP™: 100% acrylic-based, fiber-reinforced Air/Weather Barrier that is field mixed with Type I or Type II Portland cement.
    - OR -
    - FINESTOP-RA: ready-mixed, flexible Air/Weather Barrier.]
  - 3. Other code approved air/weather barrier, minimum type 15 felt or kraft building paper, or code approved equivalent.

## PART 3 - EXECUTION

### 3.01 EXAMINATION

- A. Verify project site conditions under provisions of Section [01039] [ ].
- B. Walls
  - 1. Sheathing
    - a. [ ] Sheathing must be applied in accordance with project documents.
    - b. Sheathing must be securely fastened per manufacturers' recommendations, applicable building code and project requirements.
    - c. Sheathing must be applied with corrosion resistant fasteners.
  - 2. Air/weather Barrier/ [DRAINAGE MAT]
    - a. Verify that the air/weather barrier is installed over the sheathing per applicable building code requirements, manufacturers' specifications and Senergy details, prior to application of the Finescreen 1000 System.
    - [b. Finestone DRAINAGE MAT may be applied in strips or continuously over the secondary weather barrier.]
  - 3. Cement-Board Substrates
    - a. Acceptable substrates are cement-boards which satisfy ASTM C1325 (Type A, Exterior).
    - b. Cement-board must be securely fastened per manufacturers' recommendations, applicable building code and project requirements.

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- c. Wall sheathings shall have maximum deflection not to exceed L/360 of span under positive or negative design loads unless otherwise approved in writing by Finestone before installation.
  - d. Examine surfaces to receive Finescreen 1000 System and verify that substrate and adjacent materials are dry, clean and sound. Verify substrate surface is flat, free of fins or planar irregularities greater than 6 mm in 3 m (1/4" in 10').
  - e. Cement-board must be a single piece around corners of openings.
  - f. Cement-board must be fastened with corrosion resistant fasteners.
  - g. Cement-board and sheathing joints must be offset.
4. Flashings
- a. Head, jamb and sills of all openings must be flashed with a minimum 230 mm (9") strip of secondary air/weather barrier prior to window/door, HVAC, etc. installation. Refer to Finestone Moisture Protection Guidelines.
  - b. Windows and openings shall be flashed according to design and building code requirements.
  - c. Individual windows that are ganged to make multiple units require that the heads be continuously flashed and/or the joints between the units must be fully sealed.
5. Decks
- a. Decks must be properly flashed prior to system application.
  - b. The system must be terminated a minimum of 25 mm (1") above all decks, patios and sidewalks, etc.
6. Utilities
- The system must be properly terminated at all lighting fixtures, electrical outlets, hose bibs, dryer vents, etc
7. Roof
- Verify that all roof flashings have been installed in accordance with the guidelines set forth by the Asphalt Roofing Manufacturers Association (ARMA).
8. Kick-out flashing
- Kick-out flashing must be leak-proof and angled (min 100 degrees) to allow for proper drainage and water diversion.
- C. Unsatisfactory conditions shall be reported to the general contractor and/or builder and/or architect and/or owner. Do not proceed until all unsatisfactory conditions have been corrected.
- D. Installation of Finescreen 1000 System is limited to residential and low rise commercial and institutional construction.
- E. Supplemental framing/blocking may be required to secure cement board at vertical control/expansion joints.

## 3.02 PREPARATION

- A. Protect all surrounding areas and surfaces from damage and staining during application of Finescreen 1000 System.
- B. Protect finished work at end of each day to prevent water penetration.
- C. Prepare substrates in accordance with manufacturer's instructions.

## 3.03 MIXING

General: No additives are permitted unless specified in product mixing instructions. Close containers when not in use. Clean tools with soap and water immediately after use.

- A. Air/Weather Barrier
  - 1. FINESTOP
    - a. Mix FINESTOP with a clean, rust-free paddle and drill until thoroughly blended before adding Portland cement.
    - b. Mix one part (by weight) Portland cement with one part FINESTOP. Add Portland cement in small increments, mixing until thoroughly blended after each additional increment.
    - c. A small amount of clean, potable water per mixed pail (30 lbs of FINESTOP) may be added to adjust workability. Do not overwater.
  - 2. FINESTOP-RA
    - a. Mix FINESTOP-RA with a clean, rust-free paddle and drill until thoroughly blended. Do not add water.
- B. Finestone Base Coats:
  - 1. ADHESIVE/BASE COAT (A/BC), FINEGUARD, and FINEBUILD Base Coat:
    - a. Prepare in a container which is clean and free of foreign substances. Do not use container which has contained or been cleaned with a petroleum-based product.
    - b. Mix Base Coat with a clean, rust-free paddle and drill until thoroughly blended before adding Portland cement.
    - c. Mix one part (by weight) Portland cement with one part Base Coat. Add Portland cement in small increments, mixing until thoroughly blended after each additional increment.

- d. Clean, potable water may be added to adjust workability
- 2. A/BC 1-STEP Base Coat:
  - a. Mix and prepare each bag in a 19-liter (5-gallon) pail which is clean and free of foreign substances. Do not use a container which has contained or been cleaned with a petroleum-based product.
  - b. Fill the container with approximately 5.6 liters (1 1/2 gallons) of clean, potable water.
  - c. Add A/BC 1-STEP Base Coat in small increments, mixing after each additional increment.
  - d. Mix A/BC 1-STEP Base Coat and water with a clean, rust-free paddle and drill until thoroughly blended.
  - e. Additional A/BC 1-STEP Base Coat or water may be added to adjust workability.
- D. Finestone FINEPRIME and Finish Coats:
  - 1. Mix the factory-prepared Finestone materials to a smooth, workable consistency with a clean, rust-free paddle and drill until thoroughly blended.
  - 2. A small amount of clean, potable water may be added to adjust workability.

### 3.04 APPLICATION

General: Apply Finescreen 1000 System materials in accordance with Finestone specifications.

- A. Accessories: Attach starter track per manufacturer's instructions and *Finescreen 1000 System Typical Details*.
- B. Air/Weather Barrier
  - 1. All sheathing joints and windows/openings must be protected and the air/weather barrier applied in accordance with *Finestone Moisture Protection Guidelines*.
  - 2. Substrate shall be of a type approved by BASF Wall Systems.
  - 3. Substrate shall be dry, clean, sound, and free of releasing agents, paint, or other residue or coatings. Verify substrate is flat, free of fins or planar irregularities greater than 6.4 mm in 3 m (1/4" in 10').
  - 4. Unsatisfactory conditions shall be reported to the General Contractor and corrected before application of the air/weather barrier.
  - 5. Install air/weather barrier directly over sheathings.
    - OR -
    - a. Center and apply SELF-ADHERING MESH TAPE (4" or 9") to all sheathing joints and terminations. Lap mesh 63.5 mm (2 1/2") minimum at intersections.
    - b. Apply mixed FINESTOP to a minimum thickness of approximately 2.4 mm (3/32") to surface of the SELF-ADHERING MESH TAPE and at least 152.4 mm (6") on both sides of the sheathing joints.
    - c. Apply mixed FINESTOP to the entire wall surface to a minimum thickness of approximately 2.4 mm (3/32") and allow to dry.
    - OR -
    - a. Apply mixed FINESTOP-RA with 4" roller and roller pad over all fasteners, sheathing joints, terminations, inside and outside corners.
    - b. Immediately place and center 4" SHEATHING FABRIC over wet FINESTOP-RA at all sheathing joints, terminations, inside and outside corners. Ensure fabric extends evenly on both sides of the sheathing joint.
    - c. Lap SHEATHING FABRIC 63.5 mm (2 1/2") minimum at intersections.
    - d. Allow to dry.
    - e. Apply FINESTOP-RA to the entire wall surface with a 19 mm (3/4") nap roller to a uniform consistent thickness of 10 mils with no pinholes or voids.

**Note: A minimum of two (2) 10 wet mil coats of FINESTOP-RA is required over wood based sheathing.**

  - 6. Installed materials should be checked before cement board and final system application.
  - 7. Ensure [air/weather barrier] [FINESTOP-RA and SHEATHING FABRIC 4" or 9"] [FINESTOP and SELF-ADHERING MESH TAPE] overlap the top flange of the starter track.
- C. Install cement board over secondary weather barrier, securely fastened, per manufacturers' recommendations, applicable building code and project requirements.
- D. Install trim accessories per manufacturer's recommendations. Refer to Finestone's Finescreen Trim and Accessories bulletin for accessory placement.
- E. Finestone SELF-ADHERING MESH TAPE (4")
  - 1. Center the SELF-ADHERING MESH TAPE (4") over all cement board joints and terminations and firmly press while

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- unrolling.
2. Ensure SELF-ADHERING MESH TAPE is continuous, void of wrinkles. Overlap SELF-ADHERING MESH TAPE a minimum 65 mm (2 1/2").
  3. Apply mixed [ ] Base Coat to surface of SELF-ADHERING MESH TAPE by troweling from the center to the edges.
  4. Allow Base Coat and SELF-ADHERING MESH TAPE to dry prior to application of Finestone Reinforcing Mesh and Base Coat.
- [F. Finestone insulation board used for trim and quoins:
1. Pre-cut insulation board.
  2. Apply mixed Finestone [ ] Base Coat to the entire surface of insulation board using a stainless steel trowel with 13 mm x 13 mm (1/2" x 1/2") notches spaced 13 mm apart (1/2") apart.
  3. Immediately slide board into place and apply pressure over the entire surface of board to ensure uniform contact and high initial grab. Do not allow Base Coat to dry prior to installing.
  4. Abut all joints tightly and ensure overall flush level surface.
  5. Fill gaps with slivers of insulation board.
  6. Allow application of insulation board to dry (normally 8–10 hours) prior to application of Finestone Base Coat and Mesh.
  7. Rasp flush any irregularities greater than 1.6 mm (1/16").]
- G. Finestone Base Coat/CORNER MESH and Reinforcing Mesh: Base Coat shall be applied so as to achieve Reinforcing Mesh embedment with no Reinforcing Mesh color visible.
- [H. Finestone CORNER MESH:
1. Install CORNER MESH at exterior corners.
  2. Apply CORNER MESH prior to application of Finestone Reinforcing Mesh.
  3. Cut CORNER MESH to workable lengths.
  4. Apply mixed [ADHESIVE/BASE COAT] [A/BC 1-STEP] [FINEGUARD] [FINEBUILD] Base Coat to cement board at out side corners using a stainless steel trowel.
  5. Immediately place CORNER MESH against the wet Base Coat and embed the CORNER MESH into the Base Coat by troweling from the corner; butt edges and avoid wrinkles.
  6. After Base Coat is dry and hard, apply a layer of STANDARD MESH Reinforcing Mesh over the entire surface of the CORNER MESH in accordance with 3.04 H.]
- I. STANDARD MESH Reinforcing Mesh:
1. Apply mixed [ADHESIVE/BASE COAT] [A/BC 1-STEP] [FINEGUARD] [FINEBUILD] Base Coat to entire surface of cement-board with a stainless steel trowel to embed the Reinforcing Mesh.
    - a. Immediately place STANDARD MESH Reinforcing Mesh against wet Base Coat and embed the Reinforcing Mesh into the Base Coat by troweling from the center to the edges.
  2. Lap Reinforcing Mesh 64 mm (2 1/2") minimum at edges.
  3. Ensure Reinforcing Mesh is continuous at corners, void of wrinkles and fully embedded in Base Coat.
  4. If required, apply a second layer of Base Coat to achieve total nominal Base Coat/Reinforcing Mesh thickness of 1.6 mm (1/16").
  5. Allow Base Coat with embedded Reinforcing Mesh to dry hard (normally 8 to 10 hours).
- [J. Finestone FINEPRIME:
1. Apply FINEPRIME to dry Base Coat/Reinforcing Mesh with a sprayer, 10 mm (3/8") nap roller, or good quality latex paint brush at a rate of approximately 3.6 - 6.1 m<sup>2</sup> per liter (150 - 250 ft<sup>2</sup> per gallon).
  2. FINEPRIME shall be dry to the touch before proceeding to the Finestone Finish Coat application.]
- K. Finestone Finish Coat
1. Finestone Finish Coat: PEBBLETEX 100% acrylic resin finish; air cured, compatible with Base Coat; Finish color factory-mixed; color [ ] as selected; Finish texture [NATURAL SWIRL] [LIMESTONE] [FINETEX] [CLS 1.5] [MOJAVE] [ENCAUSTO VERONA] [METALLIC]
    - a. Apply Finish directly to the Base Coat with a clean, stainless steel trowel.
- NOTE: 1. Certain colors may require the use of Finestone FINEPRIME over the Base Coat prior to application of Finish.]**

**2. In order to minimize the possibility of Base Coat read-through with color #1Max White in NATURAL SWIRL, we recommend the use of FINEPRIME. Base Coat read-through with NATURAL SWIRL Finish in Max White is very applicator dependent. A color sample must be approved prior to product shipment. Also, slight color or texture variations may occur. Over time, and depending on its exposure, ENCAUSTO VERONA's appearance will achieve a soft, weathered patina. ENCAUSTO VERONA Finish will not hide imperfections in the base coat surface. Dark colors will show marks from scratching. Built-up applications of ENCAUSTO VERONA or FINETEX are not recommended as craze cracking can result.**

- b. Apply and level Finish during the same operation to minimum obtainable thickness consistent with uniform coverage.
- c. Maintain a wet edge on Finish by applying and texturing continually over the wall surface.
- d. Work Finish to corners, joints or other natural breaks and do not allow material to set up within an uninterrupted wall area.
- e. Float Finish to achieve final texture.]

**[2. FINEMIST] [MICAMIST] [MICALUX] Finish Coat**

- a. Apply FINEPRIME to substrate in accordance with current Finestone FINEPRIME product bulletin. FINEPRIME shall be of corresponding color for selected [FINEMIST] [MICAMIST] [MICALUX] Finish color. Allow FINEPRIME to dry to the touch before proceeding to [FINEMIST] [MICAMIST] [MICALUX] Finish application.
- b. Apply a tight coat of Finish with a clean, stainless steel trowel.
- c. Maintain a wet edge on Finish by applying and leveling continually over the wall surface.
- d. Work Finish to corners, joints or other natural breaks and do not allow material to set up within an uninterrupted wall area. Allow first coat to set until surface is completely dry prior to applying a second coat of Finish.
- e. For a smooth appearance, use a stainless steel trowel and apply the second coat of Finish. Achieve final texture using circular motions.
- f. For a textured appearance, apply the second coat of Finish using a spray gun and hopper.
- g. Double-back to achieve final texture.
- h. Total thickness of Finish shall be approximately 1.6 mm (1/16").

**[3. CORONAMIST Finish**

- a. Apply FINEPRIME to substrate in accordance with current Finestone FINEPRIME product bulletin. FINEPRIME shall be of corresponding color for selected CORONAMIST Finish color. Allow FINEPRIME to dry to the touch before proceeding to CORONAMIST Finish application.
- b. Apply a coat of CORONAMIST Finish using a spray gun and hopper, maintaining a wet edge. Work to corners, joints or other natural breaks and do not allow material to set up within an uninterrupted wall area.
- c. Allow first coat of CORONAMIST Finish to set until surface is completely dry prior to applying a second coat of CORONAMIST Finish.
- d. Apply a second coat of CORONAMIST Finish using a spray gun and hopper; double back to achieve final texture.
- e. Thickness of CORONAMIST Finish may vary between 1.6 mm (1/16") and 3.2 mm (1/8"), depending upon texture.

**Note: Spraying of CORONAMIST Finish should be by the same mechanics and in the same manner and direction on a particular elevation or project whenever possible, to maintain a uniform appearance. Maintain consistent air pressure to minimize texture variations. Stator or rotor design pumps are not recommended.]**

**[L. BASF Wall System's ANTICOGLAZE™:**

- 1. Apply BASF Wall System's ANTICOGLAZE™ in accordance with recommendations contained in current product literature.]

**3.05 CLEANING**

- A. Clean work under provisions of Section [01700] [ ].
- B. Clean adjacent surfaces and remove excess material, droppings, and debris.

**3.06 PROTECTION**

Protect finished work under provisions of Section [01500] [ ].

# FINESCREEN 1000

## SCHEDULES

### FINESTONE FINISH COAT

FINISH	LOCATION
<b>A.</b> NATURAL SWIRL	_____
<b>B.</b> LIMESTONE	_____
<b>C.</b> FINETEX	_____
<b>D.</b> CLS 1.5	_____
<b>E.</b> MOJAVE	_____
<b>F.</b> MICAMIST	_____
<b>G.</b> FINEMIST	_____
<b>H.</b> CORONAMIST	_____
<b>I.</b> METALLIC	_____
<b>J.</b> ENCAUSTO VERONA	_____
<b>K.</b> MICALUX™	_____
<b>L.</b> ANTICOGLAZE™	_____

END OF SECTION

## **NOTE**

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

## **TECHNICAL SUPPORT**

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

## **DISCLAIMER**

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## **RESIDENTIAL POLICY**

On one- and two-family residential framed construction, FINESTONE 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 FINESTONE warrant the use of any other system on this type of construction without expressed written authorization from FINESTONE. [Residential construction using EIFS on masonry (CMU) or poured concrete does not require the additional water management provisions described above.] Consult FINESTONE Technical Service Department for specific recommendations concerning all other applications.

## **BASF Wall Systems**

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