

**Section 07241****FINESTOP-RA**

Roller or Spray Applied Air and Water Resistive Barrier

**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. This specification is available on the Finestone website or by calling or writing BASF Construction Chemicals, LLC - Wall Systems (Herein after referred to as BASF Wall Systems) Technical Service Department.

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 refers to applications of Finestop-RA to the following substrates: PermaBase brand cement board (or other ASTM C1325 Type A Exterior approved cement boards), Fiberock AquaTough Sheathing, Dens-Glass Gold sheathing (ASTM C1177), gypsum sheathing (ASTM C79/C1396), Exposure 1 or exterior plywood sheathing (Grade C-D or better), Exposure 1 OSB.

Finestop-RA is recognized for use as an alternative to the water resistive barrier specified in IBC Section 1404.2, IRC Section 703.2, BNBC Section 1406.3.6, SBC Section 703.2 and UBC Section 1402.1 installed under any approved wall covering, when applied to the substrates listed above.

**Note: Can be used as a water resistive barrier with STUCCO WALL SYSTEM provided Grade D paper or other code approved sheet good water resistive barrier or paper backed lath is applied over Finestop-RA.**

**Technical Support**

Consult the BASF Wall Systems Technical Services Department at 800-589-1336 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**

Finestop-RA: roller or spray applied air and water resistive barrier.

**1.02 RELATED SECTIONS**

- A. Section [ - ] Concrete substrate
- B. Section [ - ] Masonry substrate
- C. Section 05400 Cold-Formed Metal Framing
- D. Section 06110 Wood framing
- E. Section 07260 Vapor Retarders
- F. Section 07620 Sheet Metal Flashing and Trim: Perimeter flashings
- G. Section 07650 Flexible Flashing
- H. Section 07900 Sealants
- I. Section 09100 Metal Support Systems
- J. Section 09250 Gypsum Board

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## 1.03 SUBMITTALS

- A. Product Data: Provide data on Finestop-RA , product characteristics, performance criteria, limitations and durability.
- B. Shop drawings: Project specific details as required.
- C. Samples: Submit [two] [ x ] [millimeter] [inch] size samples of Finestop-RA
- D. Certificate: System manufacturer's approval of applicator.
- E. Manufacturer's installation instructions: Indicate preparation required, installation techniques, jointing requirements and finishing techniques.

## 1.04 QUALITY ASSURANCE MEASURES

- A. Manufacturer: More than 2 years in the air and water resistive barrier industry. ISO 9001 certified
- B. Applicator: Approved by BASF Wall Systems in performing work of this section.
- C. Regulatory Requirements: Conform to applicable code requirements.
- D. Field Samples:
  - 1. Construct [ x ] field sample panels, prepared using the same tools and techniques to be used for the actual application.
  - 2. Locate sample panel where directed.

## 1.05 DELIVERY, STORAGE AND HANDLING

- A. Deliver, store and handle products under provisions of Section [01600] [01610] [ ].
- B. Deliver Finestop-RA in original unopened package with manufacturer's labels intact.
- C. Protect Finestop-RA during transportation and installation to avoid physical damage.
- D. Store Finestop-RA in cool, dry place protected from freezing. Store at no less than 4°C/40°F.
- E. Store SHEATHING FABRIC and FLASHING TAPE FF flexible flashing in cool, dry place protected from exposure to moisture.

## 1.06 PROJECT/SITE CONDITIONS

- A. Do not apply Finestop-RA in ambient temperatures below 4°C/40°F. Provide properly vented, supplementary heat during installation and drying period when temperatures less than 4°C/40°F prevail.
- B. Do not apply Finestop-RA to frozen surfaces.
- C. Maintain ambient temperature at or above 4°C/40°F during and at least 24 hours after Finestop-RA installation and until dry.
- D. After Finestop-RA application, exterior wall covering must be installed over Finestop-RA within 90 days.

## 1.07 SEQUENCING AND SCHEDULING

- A. Coordinate and schedule installation of Finestop-RA 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 windows, doors, A/C units, air seals etc.

## 1.08 WARRANTY

- A. Provide Finestone 5-year limited materials warranty under provisions of Section [01700][01740] [ ].
- B. Comply with Finestone project review requirements and notification procedures to assure qualification for warranty.

## PART 2 - PRODUCTS

### 2.01 MANUFACTURERS

BASF Wall Systems

### 2.02 MATERIALS

- A. Air and Water Resistive Barrier
  - 1. Finestop-RA: ready-mixed, flexible air and water resistive barrier.
- B. Joint Treatment
  - 1. SHEATHING FABRIC: 4" or 9" width, spun bonded, non-woven reinforced polyester web for use with Finestop-RA.

### **2.03 ACCESSORIES**

- A. Transition Membrane
  - 1. FLASHING TAPE FF: 4" or 9" width, 30-mil thick, self-sealing, self-healing, compatible with Finestop-RA composite membrane of polyester fabric and rubberized asphalt.
- B. Primer
  - 1. Finestone FLASHING PRIMER: water-based primer for use prior to application of SENERFLASH on all approved surfaces.
- C. Flashing: as specified in project documents, rigid polyvinyl chloride (PVC) track, UV resistant for exterior use, shall conform to ASTM D1784; galvanized trim shall conform to ASTM A525 and ASTM A526; or zinc trim shall conform to ASTM B69.

## **PART 3 - EXECUTION**

### **3.01 EXAMINATION**

- A. Substrates
  - 1. Approved substrates must be securely fastened per applicable building code requirements.
  - 2. Approved substrates and adjacent materials must be dry, clean, and sound. Substrate surface must be flat, free of fins or planar irregularities greater than 6 mm in 3 m (1/4" in 10').
- B. Flashings: As per project details and documents, all flashing around windows, at deck attachments, utility penetrations, roof lines, etc. and all kick-out flashing must be properly installed prior to application of Finestop-RA.
- 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.

### **3.02 PREPARATION**

- A. Replace or repair all damaged sheathing, protect all surrounding areas and surfaces from damage during application of Finestop-RA.
- B. Protect finished work at end of each day to prevent water penetration.

### **3.03 MIXING**

General: No additives are permitted unless specified in product mixing instructions. Close containers when not in use. Use directly from original packaging or prepare in a container that is clean and free of foreign substances. Do not use a container which has contained or been cleaned with a petroleum-based product. Clean tools with soap and water immediately after use.

- A. Mix Finestop-RA with a clean, rust-free paddle and drill until thoroughly blended. Dilution of Finestop-RA is not required or recommended.
- B. Additives are not permitted.

### **3.04 APPLICATION**

General: Apply Finestop-RA in accordance with Finestone specifications and details. Note: It is necessary to pre-wet the synthetic roller pad with water and spin out the excess water. The pre-wetting only needs to be done once at the start of application.

- A. Finestop-RA
  - 1. Wrap openings with SHEATHING FABRIC by applying mixed Finestop-RA to all surfaces and immediately embedding SHEATHING FABRIC. Once dry, apply a second coat to ensure a complete, void-free membrane. Apply Fabric in accordance with Secondary Moisture Protection Barrier Guidelines for Finestone Wall Systems.
  - 2. Spot all fasteners and pre-coat sheathing joints, terminations, inside and outside corners with mixed Finestop-RA using a 101 mm (4") wide by 20 mm (3/4") nap roller, brush or spray equipment (AST Kodiak or equivalent).
  - 3. Immediately place and center SHEATHING FABRIC over wet Finestop-RA at all sheathing joints, terminations, inside and outside corners, as well as knot holes and check cracks that may exist in plywood or OSB, embedding the SHEATHING FABRIC in the Finestop-RA. Ensure Fabric extends evenly on both sides of the sheathing joint.
  - 4. Lap SHEATHING FABRIC 63.5 mm (2 1/2") minimum at intersections.
  - 5. Allow to dry to the touch before applying Finestop-RA to entire wall surface.
  - 6. Apply Finestop-RA to plywood or OSB substrate(s) with a 20 mm (3/4") nap roller or spray equipment (AST Kodiak or equivalent) to a uniform consistent thickness of a nominal 10 wet mils. Prior to application of a

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second coat, visually inspect to assure sheathing surface is blister free and coating is free of voids and pinholes. Repair if needed and then apply a second coat after the initial coating is sufficiently dry.

**Note: A minimum of two (2) 10 wet mil coats of Finestop-RA is required over OSB and plywood.**

7. Apply Finestop-RA to Dens Glass Gold (ASTM C1177) cement board (ASTM C1325 Type A Exterior) and gypsum sheathing (ASTM C1396) substrate(s) with a 20 mm (3/4") nap roller or spray equipment (AST Kodiak or equivalent) to a uniform consistent thickness of nominal 10 wet mils that is free of voids and pinholes.
8. Allow typically 8–10 hours to dry prior to installing exterior wall covering.
- B. FLASHING PRIMER (as required)
  1. Apply FLASHING PRIMER evenly. Surfaces shall be uniformly coated, free from voids, pinholes or blisters.
  2. Protect primed surface from dust to prevent adhesion problems.
  3. A second coat of primer may be required for porous surfaces or if the initial adhesion is not optimal.
  4. Apply FLASHING TAPE FF as soon as possible after the primer is dry and tacky.
  5. Clean tools as soon as possible with warm water and soap. Dried FLASHING PRIMER is difficult to remove from tools.
  6. Apply primer to areas to receive FLASHING TAPE FF the same day. Primed areas left overnight without FLASHING TAPE FF must be re-primed.
- C. FLASHING TAPE FF (as required)

The membrane must be applied as soon as the primer is dry and tacky.

  1. Cut roll to desired length with a utility knife or scissors.
  2. Remove usable size of the release film immediately before application and center the tape over the area to be sealed.
  3. Firmly press or roll the tape to the area being sealed. As the tape is applied, pull more of the release film from the tape, exposing the adhesive surface, pressing down the tape and keeping the tape smooth.
  4. If blisters occur, they can be slit with a utility knife and the membrane pressed flat.
  5. Installed materials should be checked for delamination of edges before final system application. Repair as necessary.
  6. Overlap FLASHING TAPE FF a minimum of 50 mm (2") horizontally and 150 mm (6") vertically.

## 3.05 CLEANING

Clean adjacent surfaces and remove excess material, droppings, and debris.

## 3.06 PROTECTION

Protect finished work.

### 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 Finestone Residential Policy Bulletin on the Finestone website for a more detailed discussion of this topic.

### Disclaimer

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