

**Section 07241****PEBBLETEx-D, D7, D10**

Drainage Type Exterior Insulation and Finish System Class PB

Part 1 - General**1.1 GENERAL REQUIREMENTS**

- 1.1.1 Refer to all drawings and other sections of this specification to determine the type and extent of work therein affecting the work of this section, whether or not such work is specifically mentioned herein.
- 1.1.2 System Description: Class PB, non-structural cavity wall Exterior Insulation and Finish System (EIFS) consisting of a secondary weather barrier, drainage plane adhesive and/or mechanical attachment, insulation board, base coat, reinforcing mesh, and finish coat.
- 1.1.3 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.
- 1.1.4 The system type shall be <PebbletEx-D, PebbletEx-D 7, PebbletEx-D 10> as manufactured by Finestone, Jacksonville, Florida.

1.2 SCOPE OF WORK

- 1.2.1 The Contractor shall provide all materials, labor and equipment required to apply the Exterior Insulation and Finish System and related work necessary for the proper completion of the operation.
- 1.2.2 The following related work is specified under other sections of these specifications:
 - A. Section 07900 Sealants
 - B. Section 06100 Exterior Gypsum Substrates
 - C. Section 04200 Masonry
 - D. Section 03300 Concrete
 - E. Section 04500 Plywood
 - F. Section 05400 Metal Studding
 - G. Section 08000 Doors & Windows

1.3 REFERENCES

- 1.3.1 References
 - A. EIFS: Exterior Insulation and Finish System.
 - B. ASTM: American Society for Testing and Materials.
 - C. Building Authority: Local jurisdictional building authority.

1.4 QUALITY ASSURANCE

- 1.4.1 Qualifications
 - A. The Exterior Insulation System Applicator shall provide satisfactory evidence of his qualifications to apply the Exterior Insulation and Finish System (EIFS).
 - B. The manufacturer shall have marketed EIFS in the United States for at least 5 years.
 - C. The Insulation Board Manufacturer must be approved by the EIFS manufacturer to produce insulation board in accordance with Finestone requirements. The Insulation Board shall be Code approved by third party testing agency and labeled with the system manufacturer's pertinent information. Finestone MEPS or approved equal.

1.4.2 Plan Review

- A. At the Architect's discretion, the EIFS manufacturer shall review and comment regarding EIFS application and details prior to bidding.
- B. At the Architect's discretion, the EIFS manufacturer shall perform a water vapor transmission analysis of a typical wall assembly with information provided by the Architect/Engineer.

1.4.3 Pre-Construction Meeting

- A. At the Architect's discretion, a pre-construction meeting shall be conducted to review EIFS details and necessary coordination with other trades. Representatives shall be present from:
 1. Architect.
 2. General Contractor.
 3. Finestone Applicator.
 4. Finestone Manufacturer's Representative.
 5. Other trades affected by EIFS applicator. (e.g., Roofing Contractor, Window and Glazing Contractor, Sealant Contractor, etc.).

1.4.4 Design and Detailing a Standard Class PB Cementitious EIF System.

- A. General
 1. The system shall be installed in strict accordance with current recommended published details and product specifications from the system's manufacturer.
 2. Sealant and backer rod as required at dissimilar materials and expansion joints within the EIFS shall provide a complete watertight system.
 3. Areas to receive EIFS that have an impact classification higher than "standard" shall be detailed on the drawings or specifically described in the contract documents.
 4. The use of dark colors must be considered in relation to wall surface temperature as a function of local climate conditions.
 5. Minimum slope for all 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.
- B. Substrate Systems
 1. Deflection of the substrate systems shall not exceed L/240.
 2. Acceptable substrates for EIFS include unpainted surfaces of brick, unit masonry, concrete, stucco brown coat, gypsum sheathing, diamond mesh metal lath and certain cementitious and exterior wood sheathing.
 3. Painted and otherwise coated surfaces of brick, unit masonry, stucco and concrete shall be inspected and prepared as approved by the EIFS manufacturer before application. Paint on surface consolidants or primers shall not be used to bond EIF System to painted surfaces.
 4. Other substrates shall be approved by the system's manufacturer in writing prior to the application.
 5. The applicator shall verify that the proposed substrate is acceptable prior to the insulation board installation.
 6. The substrate systems shall be engineered with regard to structural performance by others.
- C. System Joints
 1. Expansion joints in the system are required at building expansion joints, at prefabricated panel joints, where substrates change and where structural movement is anticipated.
 2. Expansion joints are recommended in the EIFS a maximum of every 22.5 lineal meters (75 lineal feet). Reference construction documents for specific locations.
- D. Coordination with Other Trades
 1. 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.

1.4.5 Evaluations, Listings, and Classifications

- A. The EIFS Finish and Base Coat shall be tested as having a flame spread of less than or equal to 25.
- B. The system shall be currently evaluated, listed and classified by the following agencies:
 1. B.O.C.A. Research Report
 2. I.C.B.O. Evaluation Report
 3. S.B.C.C.I. Compliance Report

1.4.6 Code Approvals

The system shall be recognized for the intended use by applicable Building Codes.

1.5 SUBMITTALS

- 1.5.1 Submit manufacturer's product brochures with product specifications and installation requirements for each component of the EIFS.

1.5.2 Samples

- A. Submit a 30.5 cm x 30.5 cm (1' x 1') sample for each finish color and texture specified.
- B. Each sample shall be prepared using the same tools and techniques as required for the actual application.
- C. An approved sample shall be available and maintained at the job site.

1.5.3 Shop Drawings

- A. The applicator shall prepare and submit schedules and complete shop drawings to the Architect for approval.
- B. The drawings shall show all details, sizes, types, finishes, anchorage and sealant joints and other items as required or specified so that a proper evaluation can be made of the proposed materials and construction.

1.6 PRODUCT DELIVERY, STORAGE AND HANDLING

- 1.6.1 Deliver to the job site all materials in unopened, undamaged containers, clearly marked and identified with the system manufacturer's name and description of contents.
- 1.6.2 Store materials inside, or under cover and off the ground and keep them dry, protected from the weather, direct sunlight, surface contamination, damaging temperatures, damage from construction traffic, and other causes.
- 1.6.3 Stack insulation board flat, a minimum of 20 cm (8") above the ground, and protected from the sun.
- 1.6.4 Store pail materials in temperatures not less than 4° C (40° F) or more than 43° C (110° F).

1.7 PROJECT CONDITIONS

1.7.1 Existing Conditions

- A. The contractor shall refer to section 01010 for project requirements and this contractor's responsibility thereunder.

1.7.2 Environmental Requirements

- A. The contractor under this section shall verify site conditions to assure that the requirements of storage of materials and installation procedures conform to the system manufacturer's current product storage and application requirements as applicable to warranty conditions.

1.7.3 Protection of Work

- A. Protect surrounding areas and surfaces during the application of the system.
- B. The system shall be protected when work ceases for the day or when an area is completed so that water will not infiltrate behind the system.

1.8 EIFS PERFORMANCE

- 1.8.1 The system shall have been tested by the following tests and meet or exceed the minimum test requirements:

Environmental

TEST	METHOD	RESULTS
ICBO Freeze/Thaw	ASTM C67 Modified EIMA 101.01	60 cycles, no deleterious effects.
EIMA Freeze/Thaw	ASTM C67 Modified	No visible change. Max. weight gain=6.2 grams
Accelerated Weathering	ASTM G23; Fed. Std. 141A/6061	2000 hours. No deleterious effects to surface or adhesion characteristics.
Accelerated Weathering	ASTM G53	3000 hours. No deleterious effects to surface or adhesion characteristics.
Water Resistance	ASTM D2247	14 day exposure. No deleterious effects.
Water Penetration	ASTM E331 Modified, EIMA 101.02	136.9 MPa (2.86 psf) Pass 298.8 Pa (6.24 psf) Pass, 574.6 Pa (12.0 psf) Pass
Water Vapor Transmission	ASTM E96	19 grains/hour/ft² (46 perms)
Wind Driven Rain	TTC-555 B	No leaks, no dampness, no visible adverse effects. 90 gram max. weight gain.
Salt Spray	ASTM B117	5% Salt concentration. 300 hours. No deleterious effects
Mildew/Fungus Resistance	Mil. Std. 810B	No growth of mildew under test conditions
Abrasion Resistance	ASTM D968	500 L (132 gal.) of sand. No deleterious effects.

Physical/Structural Properties

TEST	METHOD	RESULTS
Acrylic Solid Content	ASTM D3168	Minimum 10% by weight, based on total solids (finishes)
Traverse Load	ASTM E330 Max. Negative Loading, psf (4 x 4 sample)	Mech. Attach. 14508 (303) A/BC Attach. 13359 (279)
Tensile Bond	ASTM C297	Exterior Gypsum: 0.170 MPa (24.6 psi) min., Concrete: 1.10 MPa (275 psi) min. Plywood: 0.814 MPa (118 psi) min.

Fire Performance Testing

TEST	METHOD	RESULTS
Surface Burning Characteristics	ASTM E84	Flamespread=5, Smoke Developed=5
Radiant Heat Test	BOCA 1406.0	Pass
Modified Fire Test	ASTM E119	Pass full test - parts A and B
Large Scale Fire Test	ASTM E108	Pass
Full Scale Multi-Story Fire Test	UBC 17-6/26-4	Pass

Impact Resistance

EIF System shall conform to the following minimum requirements:

CLASSIFICATION	DESCRIPTION	GM ² (OZ/YD ²)	EIMA 101.86 IMPACT ASTM D2794 NEWTON METERS (IN-LBS.)	ASTM D1037 IMPACT (FALLING BALL) NEWTON METERS (IN-LBS.)
Medium	Standard Mesh	152 (4.5)	5.7-10.1 (50-89)	13.6-14.3 (120-127)
Medium	Intermediate 600	207 (6.0)	5.7-10.1 (50-89)	13.6-14.3 (120-127)
Medium	Intermediate 1200	390 (12)	5.7-10.1 (50-89)	20.9-22.9 (185-203)
Hi-Impact	Intermediate 1200 & Standard	398 & 152 (12 & 4.5)	10.2-16.9 (90-150)	27-29.3 (239-259)
Hi-Impact	Strong 1500 & Standard	508 & 152 (15 & 4.5)	10.2-16.9 (90-150)	24.9 (220)
Hi-Impact	Hi-Impact & Standard	709 & 152 (21.0 & 4.5)	10.2-16.9 (90-150)	31.3-33.4 (277-296)
Ultra High	Hi Impact & Intermediate 1200	709-398 (20.5 & 12)	16.9-19.8 (150-175)	33.4-35.5 (296-314)

1.9 COORDINATION AND SCHEDULING

- 1.9.1 Installation of the system shall be coordinated with other construction trades.
- 1.9.2 Tops of the walls must be immediately covered to avoid water infiltration. To protect the system, copings or flashings shall be installed as soon as possible after the finish coat of the system has been applied.
- 1.9.3 All sealants shall be installed in a timely manner.
- 1.9.4 Sufficient labor and equipment must be employed to ensure a continuous operation, free of cold joints, scaffolding lines, etc.

1.10 LIMITED WARRANTY

Upon request, the system's manufacturer shall offer a <Pebbletex-D, 5 years; Pebbletex-D 7, 7 years; Pebbletex-D 10, 10 years> limited warranty for materials.

Part 2 - Products

2.1 GENERAL

- 2.1.1 All components of the Finestone <Pebbletex-D, Pebbletex-D7, Pebbletex-D10> Class PB EIF System shall be obtained from the system manufacturer or through an authorized distributor. The generic system type for this project shall be cement-based.

2.2 MATERIALS

- 2.2.1 Secondary Weather Barrier: Minimum 15# Grade D building or kraft paper or equivalent
- 2.2.2 Cavity Spacer: Provide cavity spacer as listed below:
- A. None <Pebbletex-D and Pebbletex-D7 Systems>.
 - B. Self-furring diamond expanded metal lath conforming to ASTM C847 0.95 kg/m² (2.5 lbs/yd²). minimum <Pebbletex-D10>.
- 2.2.3 Insulation Adhesive: 100% acrylic polymer-based product, site mixed with Portland cement. Finestone Adhesive/Base Coat (A/BC) or approved equal. Vinyl based products shall not be used <Pebbletex-D10>.
- 2.2.4 Insulation Retainer: Manufacturer-approved surface-mounted retainer of type and size as approved by the EIFS manufacturer. Wind Devil as manufactured by Wind Lock Corporation or manufacturer-approved equal <Pebbletex-D and Pebbletex-D7>.
- 2.2.5 The system manufacturer's Insulation Board meeting or exceeding ASTM C578. Finestone MEPS or approved equal.
- A. Nominal 1.0 pcf aged expanded polystyrene.
 - B. Flamespread and smoke development shall be 25 and 450 or less respectively per ASTM E84.
 - C. Maximum size 61 cm x 122 cm x 10 cm (2' x 4' x 4"). Reference contract documents for actual insulation thickness.
 - D. Finestone Grooved Drainage MEPS with a minimum thickness of 31.3 mm (1¼") <Pebbletex-D7>
- 2.2.6 The system manufacturer's reinforcing mesh shall be a balanced, open weave, treated glass fiber fabric, treated for alkaline resistance and conforming to ASTM D579, ASTM D1682, ASTM D5035 and the classification(s) listed below. Finestone Reinforcing Mesh or approved equal.

CLASSIFICATION (g/m ² [oz./yd ²])	CLASSIFICATION (g/m ² [oz./yd ²])
Standard (152 [4.5])	High Impact (508 & 152 [15.0 & 4.5])
Medium 600 (207 [6.0]) <required for Quik Clad-D 7>	High Impact (709 & 152 [20.5 & 4.5])
Medium (398 [12])	Ultra High (709 & 398 [20.5 & 12])
High Impact (398 & 152 [12 & 4.5])	

Reference construction documents for specific location

- 2.2.7 Base Coat: pure acrylic polymer-based product, site-mixed with Portland cement. Finestone Adhesive/Base Coat or approved equal. Vinyl-based products shall not be used.
- 2.2.8 Dry Mix Base Coat: A dry, ready-mix blend of polymer and Portland cement that is site-mixed with water. Finestone A/BC 1-Step or approved equal.
- 2.2.9 Waterproof Adhesive/Base Coat (for use where indicated on construction drawings): Polymer-based, waterproof insulation adhesive and/or base coat, site-mixed with Portland cement. Finestone Fineguard or approved equal.
- 2.2.10 High Build Base Coat (for use as a leveling base coat where indicated on construction drawings): 100% acrylic polymer-based product, site-mixed with Portland cement. Finestone Finebuild or approved equal.
- 2.2.11 Finish: Factory-mixed formulation of 100% acrylic polymers and aggregate, integrally pigmented and formulated for specific textures. Finestone Pebbletex Finishes or approved equal. Texture shall be <_____>.
- 2.2.12 Aggrelastic Finish: Elastomeric, factory-mixed formulation of 100% acrylic polymers and aggregate, integrally pigmented and formulated for specific textures. Finestone Aggrelastic 100, 200 Finish or approved equal. Texture shall be <_____>.

2.2.13 Fineshield Enhancements: Finish material shall include the following factory-formulated finish enhancements:

ADDITIVE	DESCRIPTION
None	
SRS	Standard in all Finestone Finishes
Maximum A/S	For maximum resistance to soiling. Siloxane polymer (silicone) is added. Silicone polymers reduce mildew and algae growth, stay cleaner, and are hydrophobic.
XL	Mildew protection additive.

Note: Any combination of enhancements may be added.

2.2.14 Weep Scream: #WS58-250U as manufactured by Vinyl Corp. or manufacturer-approved equal.

2.2.15 Portland cement: Type I or I-II per ASTM C-150.

2.2.16 Water: Clean and potable.

2.3 EXTERIOR SEALANTS

2.3.1 Sealant systems shall be compatible as required by the sealant manufacturer, Architect and system manufacturer. Reference Section 07920.

2.3.2 Compatible Sealants:

MANUFACTURER	PRODUCT	PRIMER	COMMENTS
Dow Corning Corporation	790 Silicone Sealant	1200 Prime Coat	EIFS to EIFS Joints
Dow Corning Corporation	791 Silicone Sealant	Generally not required	EIFS to dissimilar materials
Dow Corning Corporation	795 Silicone Sealant	Generally not required	EIFS to dissimilar materials
General Electric Company	Silpruf Sealant	SS4179 Primer (optional)	
Pecora Corporation	Dynatrol II	P-75	
Sonneborn Building Products	Sonolastic NP II	Primer #733	
Tremco, Inc.	Dymeric	#P1 Primer	

A. Do not return finishes into sealant joints at any building expansion joints.

B. Non-dynamic, non-structural joints where the primary function is weatherproofing may be bonded to either the base coat or finish coat. <Sealants shall be bonded to the base coat.>

C. Substitutions to these sealants must be proved to be compatible with the EIFS by both the Contractor and sealant manufacturer, and accepted by the Architect and EIFS manufacturer.

2.3.3 Color of Sealant: Color of sealant shall be manufacturer's standard as approved by Architect.

2.3.4 Backing Materials

A. Backer rod shall be round closed cell non-staining, non-absorbent, extruded polyethylene flexible rod as recommended by the manufacturer of the sealant.

B. Backer rod shall be clean, dry, and free of foreign matter.

C. Open cell, Oakum, or other types of absorptive materials shall not be used.

D. Bond breaker tape shall be used as recommended by sealant manufacturer for proper sealant joint design and performance.

2.3.5 Sealant primer: Sealant primer use and application according to manufacturer's requirements. Surfaces shall be primed if required prior to installation of the sealant.

Part 3 - Execution

3.1 INSPECTION

3.1.1 Installer shall examine substrates to determine if they are in satisfactory condition to receive exterior insulation and finish system. A satisfactory substrate is one that complies with requirements including installation tolerance of 6.4 mm in 3 m (1/4" in 10') (min) and of the sections in which the substrate and related work are specified. Installer shall submit written report listing conditions detrimental to performance of work of this section. Do not proceed with installation of system until unsatisfactory conditions have been corrected.

3.2 PRE-INSTALLATION MEETING

- 3.2.1 At the Architect's discretion, installer, system manufacturer's representative, installer of substrate material and other trades whose work affects exterior insulation and finish system, shall meet at project site to review procedures and time schedule proposed for installation of the system and coordination with related work.

3.3 SUBSTRATE PREPARATION

- 3.3.1 Perform preparation and cleaning procedures in compliance with system manufacturer's requirements to obtain optimum bond between substrate and adhesive used to attach insulation.

3.4 SECONDARY WEATHER BARRIER INSTALLATION

- 3.4.1 Installation should be in accordance with the secondary weather barrier manufacturer's specifications, applicable building codes requirements, and corresponding <Pebbletex-D, Pebbletex-D7, Pebbletex-D10> details.
- 3.4.2 The secondary weather barrier shall be free of any damage such as holes or breaks, and must be applied to all surfaces to receive the <Pebbletex-D, Pebbletex-D7, Pebbletex-D10> system.
- 3.4.3 Wrap the secondary weather barrier into rough openings (doors, windows, etc.) to increase the level of protection to the building frame and interior.

3.5 WEEP SCREED INSTALLATION

- 3.5.1 The weep screed must be placed under the secondary weather barrier.
- 3.5.2 Install weep screed at the foundation level of the system allowing a minimum of 20 cm (8") above the finish grade.
- 3.5.3 Fasten with corrosion-resistant nails or screws approximately every 20 cm (8") on center.

3.6 LATH INSTALLATION <Pebbletex-D 10>

- 3.6.1 Attach the lath to the substrate using corrosion-resistant fasteners or pneumatic driven pins with a Finestone approved 25 mm (1") diameter retainer.
- 3.6.2 Use only approved fasteners with the following minimum penetration into the structural wall assemblies.
 - A. Wood - 19 mm ($\frac{3}{4}$ ")
 - B. Light gauge metal (studs) - 9.6 mm ($\frac{3}{8}$ ")
 - C. Brick, masonry or concrete - 25 mm (1")
- 3.6.3 Reinforcement Attachment:
 - A. Self Furring Diamond Mesh, 0.95 kg/m² (2.5 lb/yd²): Attach mesh to substrate with a maximum support spacing of 20 cm (8") o.c. vertically and 40.5 cm (16") horizontally for concrete/masonry surfaces, 15 cm (6") o.c. vertically and 30.5 cm (12") o.c. horizontally where supports are used and 15 cm (6") o.c. vertically and 40.5 cm (16") o.c. horizontally over wood or metal stud framed applications.
 - B. Install lath with long dimension across supports, typically horizontally. Butt individual lath pieces. Stretch lath tight when installing.
 - C. Butt reinforcement at interior or exterior corners. Lap reinforcement around all corners to next framing member or 40.5 cm (16") minimum.

3.7 INSTALLATION, GENERAL

- 3.7.1 Comply with manufacturer's current published instructions for installation of EIFS as applicable to each type of substrate indicated.
- 3.7.2 Backwrapping: Apply a single layer of detail mesh to the substrate.
 - A. Position mesh a minimum of 63 mm (2½") onto the substrate. Tack, adhesively fasten, or otherwise secure mesh to the substrate.
 - B. After insulation application, complete backwrapping by applying base coat, embedding the remaining mesh, and returning it onto the face of the insulation board.
 - C. In all cases, the reinforcing mesh color and pattern shall not be visible where sealants are applied.
 - D. Finish in accordance with manufacturer's details.

3.8 INSULATION APPLICATION

- 3.8.1 Mechanically fasten insulation to approved substrate following manufacturer's recommended pattern.
- Or-
- 3.8.1 Insulation Adhesive <Pebbletex-D 10>: Apply the Adhesive/Base Coat mixture to the entire surface of one face of the insulation board using a manufacturer-approved notched trowel. Make sure ribbons of adhesive are full and reach the outer perimeter of the EPS board.
- 3.8.2 Apply boards over dry substrates in courses with typically long edge oriented horizontally; begin first course from a level line and work upwards. Install insulation in a manner so that board joints do not coincide with window or door openings.
- 3.8.3 Stagger vertical joints in successive courses to produce running bond pattern.
- 3.8.4 Offset joints of insulation from joints in substrates (minimum 15 mm [6"] offset).
- 3.8.5 Interlock ends at internal and external corners.
- 3.8.6 Abut boards tightly at joints within and between each course to produce a flush, continuously even surface without gaps or raised edges between insulation boards. If gaps occur, fill with insulation cut to fit gaps exactly; insert without use of adhesive.
- 3.8.7 Rasp flush any irregularities in surfaces of insulation projecting more than 1.6 mm ($\frac{1}{16}$ ") with care not to create hollows.
- 3.8.8 Cut insulation to fit openings, corners, and projections precisely and to produce edge and shapes conforming to details indicated. Form joints for sealant by leaving joint of width indicated between insulation edges and dissimilar adjoining surfaces projecting through insulation with adequate allowance for base coat and mesh.
- 3.8.9 Provide proper joint through insulation where expansion joints occur in substrates and where required in the system.
- 3.8.10 Coordinate installation of insulation with contiguous construction to produce a wall system that does not allow water to penetrate behind exterior insulation and finish system.
- 3.8.11 Allow adhered insulation to remain undisturbed for not less than 24 hours prior to base coat preparation.

3.9 SURFACE PREPARATION

- 3.9.1 Rasp insulation to level any irregularities. All irregularities greater than 1.6 mm ($\frac{1}{16}$ ") shall be sanded flat.
- 3.9.2 Rout aesthetic joints as indicated on construction drawings. Maintain a minimum 19 mm ($\frac{3}{4}$ ") of MEPS insulation under aesthetic joint.
- 3.9.3 Clean rasped insulation in preparation for base coat application.

3.10 BASE COAT PREPARATION

- 3.10.1 Complete backwrapping of the mesh in accordance with backwrapping requirements.
- 3.10.2 Install minimum 24 cm x 30.5 cm (9.5" x 12") diagonal reinforcement at all windows, doors, louvers, or other penetration corners. Apply field mesh as soon as possible after diagonal mesh application.
- 3.10.3 Apply a double wrap of mesh at all inside and outside corners of the Finestone Pebbletex-D System extending a minimum of 30.5 cm (12") onto adjacent corner.
- 3.10.4 Reference architectural documents for locations of designated impact systems.

3.11 BASE COAT APPLICATION

- 3.11.1 Apply Adhesive/Base Coat to exposed surfaces of insulation in minimum nominal thickness requirement for fabric embedment.
- A. Standard Mesh: 1.6 mm ($\frac{1}{16}$ ")
- B. Other meshes: 2.4 mm ($\frac{3}{32}$ ")
- 3.11.2 Immediately embed reinforcing mesh into wet base coat.

3.12 REINFORCING MESH APPLICATION

- 3.12.1 Embed mesh into wet Adhesive/Base Coat mixture and smooth surface until mesh is not visible. Lap mesh 63 mm (2 $\frac{1}{2}$ ") minimum on all sides (except Hi-Impact 20.5 oz. and Strong 1500 15.0 oz. meshes which are butted). Mesh must be continuous through all interior and exterior corners extending beyond the corner a minimum of 30.5 cm (12").
- 3.12.2 The base coat thickness should be nominal 1.6 mm ($\frac{1}{16}$ ") when dry. Mesh color shall not be visible.

- 3.12.3 Allow to cure for a minimum of 12 hours.
- 3.12.4 Apply second layer of mesh over cured mesh/base coat, if required. Reference architectural documents for locations and mesh configurations.

3.13 FINISH APPLICATION

- 3.13.1 Apply Finestone Finish over clean, dry, cured base coat in minimum thickness required by system manufacturer to produce a uniform textured finish. Reference architectural drawings or specifications for finish texture and color.
- 3.13.2 Apply Finestone Finish using sufficient manpower and equipment to insure a continuous operation without cold joints, scaffolding lines, etc. Texture Finestone Finish to match the approved sample.
 - A. Trowel Application:
 - 1. The finish shall be mixed thoroughly before use with a clean mixer.
 - 2. The base coat surface must be flat, smooth, dry and cured. Level any irregularities with additional base coat. Allow to cure before proceeding.
 - B. Spray Application:
 - 1. Prime surface (spray, brush, or roller techniques) using Finestone Fineprime or Sanded Primer tinted to match finish color. Allow primer to cure 12 hours prior to finish application.
 - 2. Spray finish onto primed surface using conventional plaster hopper gun or a proven pump. Apply finish to achieve desired texture using a circular overlapping pattern keeping the spray gun at a 90° angle to the surface and maintaining the same distance to the wall at all times.
 - 3. Be cautious of flooding an area with too much finish because it may appear shinier when it dries.
- 3.13.3 Allow finishes to cure in accordance with manufacturers published literature. Protect from rain and temperatures below 4° C (40° F) for a minimum of 24 hours after application. Provide longer protection as necessary during lower temperatures and/or higher humidity conditions.

3.14 CLEANING AND PROTECTION

- 3.14.1 Remove temporary covering and protection of other work. Promptly remove protection from window and door frames.
- 3.14.2 Provide final protection and maintain conditions, in a manner suitable to installer and system manufacturer, that ensure exterior insulation and finish system being without damage or deterioration at the time of substantial completion. If damage occurs, whoever is responsible for damaged area shall restore to a condition indistinguishable in appearance from, and equivalent in performance to, undamaged areas by replacing or repairing in compliance with system manufacturer's recommendations.
- 3.14.3 All work adjacent to operations under this section shall be inspected for damage resulting from EIFS installation, and repaired or cleaned prior to completion of work.

3.15 CLEAN-UP

- 3.15.1 Upon completion of the work the contractor shall remove from the site all scaffolding, equipment, and materials used on the work as well as any debris resulting from the operations.

Technical Support

For further details, specifications, questions, specific recommendations, or the most recent product information, please consult Finestone Technical Services: Toll-free 866-659-3133; 1-904-996-6100 or our website, www.finstone.cc

Limited Warranty

Every reasonable effort is made to apply Finestone exacting standards both in the manufacture of our products and in the information, which we issue concerning these products and their use. We warrant our products to be of good quality and will replace or, at our election, refund the purchase price of any products proved defective. Satisfactory results depend not only upon quality products but also upon many factors beyond our control. Therefore, except for such replacement or refund FINESTONE MAKES NO WARRANTY OR GUARANTEE, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY, RESPECTING ITS PRODUCTS, and Finestone shall have no other liability with respect thereto, including any liability for incidental or consequential damages. Any claim regarding product defect must be received in writing within thirty days (30) of the date of discovery or one (1) year from the date of shipment which ever is less. No claim will be considered without such written notice or after the specified time interval. User shall determine the suitability of the products for the intended use and assume all risks and liability in connection therewith. Any authorized change in printed recommendations concerning the use of our products must bear the signature of the Finestone Technical Manager. Other warranties may be available from Finestone; however, this warranty shall apply in the absence of any other written warranty signed by an authorized representative of Finestone.

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 One-Coat Stucco System 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.

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