

SECTION 072420 - DIRECT-APPLIED EXTERIOR FINISH SYSTEMS

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes: Direct-applied exterior finish system (DEFS) for exterior soffits.

1.2 SYSTEM DESCRIPTION

- A. DEFS: An exterior wall cladding system that consists of exterior cement board attached mechanically to wall framing; an integrally reinforced base coat; and a textured protective finish coat.

1.3 ACTION SUBMITTALS

- A. Product Data: For each type and component of DEFS indicated.
- B. Samples: For each exposed product and for each color and texture specified, 8 inches (200 mm) square in size.
- C. Shop Drawings: For DEFS. Include plans, elevations, sections, details, penetrations, terminations, joints, fasteners, and attachments to other work.

1.4 INFORMATIONAL SUBMITTALS

- A. Material or product certificates.
- B. Product test reports.
- C. Evaluation reports.
- D. Sample Warranty: For manufacturer's standard warranty.

1.5 CLOSEOUT SUBMITTALS

- A. Maintenance data.

1.6 QUALITY ASSURANCE

- A. Installer Qualifications: An installer who is certified in writing by DEFS manufacturer as qualified to install manufacturer's system using trained workers.
- B. Mockups: Build mockups to verify selections made under sample submittals and to demonstrate aesthetic effects and set quality standards for materials and execution and set quality standards for fabrication and installation.
 - 1. Approved mockups may become part of the completed Work if undisturbed at time of Substantial Completion.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Basis-of-Design Products: Subject to compliance with requirements, provide the following products of Sto Corp. (stocorp.com, 800-221-2397):

1. Direct-Applied Acrylic Plaster Finish: StoQuik® Gold Soffit.
2. Base Coat: Sto BTS Plus or Sto Primer/Adhesive-B.
3. Joint Mesh: Sto Mesh.
4. Primer: Sto Primer.
5. Textured Finish Coat: Stolit.

- B. Source Limitations: Obtain DEFS from single source from single DEFS manufacturer and from sources approved by DEFS manufacturer as tested and compatible with DEFS components.

2.2 DEFS MATERIALS

- A. Compatibility: Provide fasteners, reinforcing meshes, base- and finish-coat systems, sealants, and accessories that are compatible with one another and with substrates and approved for use by DEFS manufacturer for Project.
- B. Primer/Sealer: DEFS manufacturer's standard substrate conditioner designed to seal substrates from moisture penetration.
- C. Reinforcing Mesh: Balanced, alkali-resistant, open-weave, glass-fiber mesh treated for compatibility with other DEFS materials.
- D. Base-Coat Materials: DEFS manufacturer's standard formulation.
- E. Primer: DEFS manufacturer's standard factory-mixed, elastomeric-polymer primer for preparing base-coat surface for application of finish coat.
- F. Finish-Coat Materials: DEFS manufacturer's standard, factory-mixed acrylic-based coating.
 1. Colors: As selected by Architect from manufacturer's full range.
 2. Texture: As selected by Architect from manufacturer's full range.
- G. Trim Accessories: Manufactured from UV-stabilized PVC and complying with ASTM D 1784 and ASTM C 1063.

PART 3 - EXECUTION

3.1 DEFS INSTALLATION

- A. Comply with ASTM C 1397 and DEFS manufacturer's written instructions for installation of DEFS as applicable to each type of substrate indicated.
- B. Trim: Apply trim accessories at perimeter of DEFS, at expansion joints, and elsewhere as indicated, according to DEFS manufacturer's written instructions.
- C. Expansion Joints: Install at locations indicated, where required by DEFS manufacturer, where expansion joints are indicated in substrates behind DEFS; where DEFS adjoin dissimilar substrates, materials and construction.
- D. Base Coat: Apply to substrate surfaces in minimum thickness recommended in writing by DEFS manufacturer, but not less than 1/16-inch (1.6-mm) dry-coat thickness.
- E. Reinforcing Mesh: Embed in wet base coat to produce wrinkle-free installation with mesh continuous at corners and overlapped not less than 2-1/2 inches (64 mm) or otherwise treated at joints to comply with ASTM C 1397 and DEFS manufacturer's written instructions. Do not lap reinforcing mesh within 8 inches

(204 mm) of corners. Completely embed mesh, applying additional base-coat material if necessary, so reinforcing-mesh color and pattern are not visible.

- F. Additional Reinforcing Mesh: Apply strip reinforcing mesh around openings extending 4 inches (100 mm) beyond perimeter. Apply additional 9-by-12-inch (230-by-300-mm) strip reinforcing mesh diagonally at corners of openings (re-entrant corners). Apply 8-inch- (200-mm-) wide strip reinforcing mesh at both inside and outside corners unless base layer of mesh is lapped not less than 4 inches (100 mm) on each side of corners.
 - 1. Embed strip reinforcing mesh in base coat before applying first layer of reinforcing mesh.
- G. Primer: Apply over dry base coat according to DEFS manufacturer's written instructions
- H. Finish Coat: Apply over dry primed base coat, maintaining a wet edge at all times for uniform appearance, in thickness required by DEFS manufacturer to produce a uniform finish of color and texture matching approved sample and free of cold joints, shadow lines, and texture variations.

END OF SECTION