

**SECTION 07 71 23**  
**MANUFACTURED GUTTERS**

**PART 1 - GENERAL**

1.01 RELATED DOCUMENTS

- A. The provisions included under Division 1, General Requirements, are included as part of this section as though bound herein.

1.02 SUMMARY

- A. Provide material necessary for furnishing a complete installation of the fiberglass gutter system.
- B. Related Work Specified Elsewhere
  1. Division 5 Sections for support framing.
  2. Division 6 Sections for nailers and support framing.
  3. Division 7 Sections for related roofing materials.

1.03 SUBMITTALS

- A. Product Data: Each type of product specified. Submit manufacturer's detailed technical product data, installation instructions and recommendations, dimensions of individual components, profiles, and finishes
- B. Shop Drawings: Show fabrication and installation of fiberglass gutter system including fully dimensioned roof plans, expansion joint locations, sections and details of components and other related trims.

1.04 QUALITY ASSURANCE

- A. Where pre-engineered manufactured products are specified, other field fabricated or shop/field fabricated substitutions will not be accepted. However, where shop/field fabrications are indicated pre-engineered systems will be considered with Architect approval.
- B. Obtain all components and related accessories from one single source manufacturer.
- C. Follow manufacturer's printed instructions for installing fiberglass gutter system. Follow primary roofing manufacturer's printed instructions for installing associated roof material for flashing gutter system to roof.

#### 1.05 DELIVERY, STORAGE & HANDLING

- A. All products delivered shall be stored in a clean dry location prior to installation.

#### 1.06 PROJECT CONDITIONS

- A. Coordinate work of this Section with adjoining work for proper sequencing to ensure protection from inclement weather
- B. Do not install fiberglass gutter system during inclement weather. When installing in cold climates, warm adhesives, caulks, and primers to at least 50 degrees Fahrenheit prior to application.

### **PART 2 PRODUCTS**

#### 2.01 MANUFACTURERS

- A. Provide fiberglass gutter system and accessories, as manufactured by FiberGutter ~A division of Fiberglass Building Products Inc. 546-A Plymouth St Halifax, MA 02338 Phone (781) 754-4890 [www.fibergutter.com](http://www.fibergutter.com)

#### 2.02 TYPE

- A. Provide FiberGutter 4x5 or 4x6 fiberglass gutter

#### 2.03 MATERIALS & FABRICATION

- A. FiberGutter is constructed by pultrusion using polyester resin and fiberglass
  - 1. Lengths are available for delivery up to 40'

#### 2.04 ACCESSORIES

- B. Fasteners to be used are 3" Stainless Structural Screw (U2 or GRK RSS)
- C. Outlets are manufactured in Schedule 40 PVC
- D. Endcaps are manufactured in fiberglass
- E. Sealant: Shall be GutterGlue for all miters, endcaps and outlets

#### 2.06 FINISHES

- A. General: Can be painted with Acrylic Latex Paint after prep. Refer to painting instructions

## **PART 3 EXECUTION**

### **3.01 EXAMINATION**

- A. The installer must examine substrates and conditions under which gutter system will be installed. All wood plates and/or fascia boards shall be installed true, straight, and free of splits, cracks, or other irregularities. Do not proceed with installation until unsatisfactory conditions are corrected.

### **3.02 PREPARATION**

- A. Installer shall thoroughly read and follow manufacturer's installation instructions before proceeding with installation.

### **3.03 INSTALLATION**

- A. General: The fiberglass gutter system shall be installed in strict accordance with manufacturer's printed instructions. Deviations from the instructions are not allowed.
- B. Slope: 1/2" slope in 40 linear feet. Install fiberglass gutter with 3" structural screw at every rafter end
- C. Endcap Installation
  - 1. Sand any bonding surfaces where the endcap is to be installed (including on the gutter).
  - 2. Apply 2P10 Superglue to edge
  - 3. Stick Endcap in place so that it is flush with edge of gutter
  - 4. Give area another wipe clean once endcap is in place
  - 5. Use GutterGlue along edge of intersection between gutter & endcap. You can use your finger (with glove on) or tongue depressor to smooth it out.
- D. Outlet Installation
  - 1. You can use a manufacturers outlet or 2" Schedule 40 PVC Pipe cut to a 3" length
  - 2. (Leave enough space for downspout to fit between outlet and fascia)
  - 3. Drill through gutter with a 2-3/8" hole sa
  - 4. Use Sandpaper to clean up edge and increase bond strength. Give it a quick wipe with acetone
  - 5. Outlet should be a tight fit to gutter. If it is loose or will not sit straight use 2P10 Superglue to hold it in place while applying final bonding agent.
  - 6. Use GutterGlue to complete outlet Installation
- E. Miter / Seaming Installation
  - 1. Use GutterGlue to seal miter on inside. If outside needs touch up you can use GutterGlue and sand after curing.
  - 2. Make sure area 2" on either side of seam has been sanded (36 Grit ONLY)
  - 3. Wipe with acetone and use 2P10 superglue (recommended) to temporarily hold seam together
  - 4. Wet out Fiberglass Cloth with GutterGlue and lay into Miter/Seam.
  - 5. Use tongue depressor to smooth inside of seam with GutterGlue over fiberglass tape
  - 6. Allow 30 minutes before handling.

END OF SECTION 07 71 23