



Fiberglass Cornice
(FRP & GFRP)

SECTION 06 61 00

RoyaLite™ Fiberglass Cornice
Architectural
Specifications

1.1 General

1.2 Description:

- A. Cornice shall be Royal Corinthian RoyaLite Fiberglass Reinforced Polymer "FRP".
- B. Standard cornice shall be (Item Number) _____ or custom cornice based on submitted Architectural drawings.
- C. Inside and Outside corners shall be factory made (mitering onsite is an option).
- D. Cornice shall come with integrated lap joint for ease of installation.
- E. Select Resin: General purpose or ASTM E 84-01 Class A rated.

1.3 Submittals

- A. Submit Royal Corinthian literature and shop drawings if required.
- B. Submit sample of standard cornice if required (specific cornice samples may not be available).
- C. Submit sample for color match if custom color is required.
 - 1. Standard color is marine grade white gel coat which is considered paint-grade.
 - 2. Many standard colors are available in addition to the standard white.
 - 3. Custom colors require a sample to be submitted for color matching.
 - 4. Standard texture is smooth but custom textures are available.

1.4 Warranty

- A. The cornice shall be guaranteed in writing against defects of materials or workmanship for a period of 25 years to the original owner.
- B. Cornice must be installed following Royal Corinthian guidelines.

1.5 Verification of Design

- A. The components incorporated into the drawings show dimensions and styles chosen to accomplish the Architect's intended aesthetic result and to conform to the building's configuration in both form

and function. The contractor shall verify that all components to be provided by Royal Corinthian for the work of this section will fit the building's structural elements and meet the visual design criteria on the drawings without materially altering profiles and alignments.

- B. Any additional support or backing components shall be provided by the installing contractor as part of the work of this section.

2.1 Products

2.2 Acceptable Manufacturer

- A. Royal Corinthian
- B. 603 Fenton Lane
West Chicago, IL 60185
T. 888-265-8661 F. 888-344-2937
royalcor@royalcorinthian.com
www.royalcorinthian.com
- C. Substitutions: Not permitted.

2.3 Fiberglass, Resin, and Gel Coat Materials

- A. Fiberglass chop strand or mat shall be equal to the products of PPG-Owens Corning.
- B. Polyester resins shall be General Purpose or Class A. The Class A resin will be flame retardant polyester resin. This resin is formulated for use in applications that require an ASTM E 84-01 Class 1 flame spread and smoke suppression rating, without the use of fillers.
- C. Gel coat shall be high performance Marine Grade with ultra-violet inhibitors.
- D. Finish shall be (select one): paint-grade white, textured stone finish, granite, other color finish
- E. Cornice thickness shall be a minimum of 3/16".
- D. Gel coat thickness shall be 0.015" minimum to 0.025" maximum.
- E. Allowable Tolerances
 - 1. Dimensional Tolerances of Finished Units
 - a. Dimensions 12' or under: +/- 1/4".

3.1 Execution

3.2 Delivery

- A. Deliver materials in original packages, containers, or bundles bearing brand name & identification of manufacturer or supplier. Customer to unload and store materials onsite under cover and in manner to keep them dry, protected from weather, direct sunlight, surface contamination, corrosion, and damage from construction traffic and other causes.
- B. Handle materials and products to prevent damages to edges, ends, or surfaces

3.3 Installation

- A. Coordinate required blocking for attachment of cornice panels to substructure. Provide additional, wood preservative treated or metal stud framing as may be required to attached and reinforce cornice panels for a solid installation.
 - 1. Coordinate installation with any metal gutter lining work or flashing above and wood/metal substrates.
- B. Erect cornice panels plumb, square and true to line and level. Follow fiberglass panel manufacturer's recommendations with regard to installation clearances, notches, and formation of panel-to-panel joints.
- C. Install sealant and accessories as work progresses, so as to make the work weather tight.
- D. Provide each panel with joints such that adjacent panels mate to produce flush joints. Recess blocking or notch continuously behind each panel joint. Set panels to ensure a maximum joint thickness of 3/8".
- E. Prepare each cornice panel section for installation by carefully sanding joints and shrinkages where blocking occurs to assure a tight flush fit.
- F. Fill joints with a continuous bead of sealant. Tooling finished joints to a slightly concave profile ensuring complete filing and flush installation.
- G. Carefully monitor ambient temperatures at time of panel installation and observe all panels to panel clearances recommended by the fiberglass manufacturer.
- H. Do not cut or abrade finishes, which cannot be completely restored in the field. Installer to make small inconspicuous finish repairs using manufactures color matching gel fill finish. If too large of a repair is needed, return to fiberglass manufacturer for alterations or new units.
- I. Use only stainless steel connectors approved by the panel manufacturer and which will develop the strength required by fiberglass panel manufacturer's calculations. The installer shall supply these connectors.

- J. Countersink all exposed fasteners. Patch all attachment holes with gel fill finish supplied by the fiberglass panel manufacturer for field application. Finish attachment points so that there is no detectable difference in the completed panel surface.
- K. Clean installed panel to remove all dirt, smudges, and construction dirt. Use only those cleaning products and procedures recommended by the fiberglass manufacturer.