Fiberglass Pergolas, Arbors, & Trellises

RoyaLite™ Fiberglass Pergolas

Architectural Specifications

SECTION 066000
Plastic Fabrications

1.0 GENERAL

1.1 SECTION INCLUDES

- Royal Corinthian RoyaLite Fiberglass Pergola/Arbor/Trellis Assembly (Includes Architectural Columns, RoyaLite Rafters and Purlins, and Installation Hardware.

1.2 RELATED SECTIONS

- Section 06200 – Finish Carpentry.
- Section 09900 – Painting.

1.3 SUBMITTALS

- Submit under provisions of Section 01300.

- Product Data: Manufacturer's data sheets on each product to be used, including:
  1. Preparation instructions and recommendations.
  2. Storage and handling requirements and recommendations.
  3. Installation methods.

- Verification Samples: For each finish product specified, two samples, minimum size 6 inches square, representing actual product, color, and patterns.

1.4 QUALITY ASSURANCE

- Mock-Up: Provide a mock-up for evaluation of surface preparation techniques and application workmanship.
  1. Finish areas designated by Architect.
  2. Do not proceed with remaining work until workmanship, color, and sheen are approved by the Architect.
  3. Refinish mock-up area as required to produce acceptable work.

1.5 DELIVERY, STORAGE, AND HANDLING

- Store and dispose of solvent-based materials, and materials used with solvent-based materials, in accordance with requirements of local authorities having jurisdiction.

- Columns and Pergola/Arbor components shall be stored in the manufacturer’s crates until ready for use. If necessary to remove from crates, store in crated position with duplicate supports as originally crated.

1.6 PROJECT CONDITIONS

- Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside the manufacturer’s limits.

1.7 WARRANTY

- RoyaLite Components: Manufacturer shall warrant that RoyaLite Fiberglass Pergola/Arbor components and architectural columns shall be free of manufacturing defects in material and workmanship for as long as the original purchaser owns the structure to which they are attached. Manufacturer shall warrant that RoyaLite Fiberglass Pergola/Arbor components shall be waterproof and impervious to insect and fungal

attack.

2.0 PRODUCTS

2.1 MANUFACTURER

- Acceptable Manufacturer:
  Royal Corinthian
  603 Fenton Lane
  West Chicago, IL 60185
  T. 888-265-8661
  E. royalcor@royalcorinthian.com
  W: https://royalcorinthian.com

- Substitutions: Not permitted.

- Requests for substitutions will be considered in accordance with the provisions of Section 01600.

2.2 COLUMNS

- Fiberglass Columns:
  1. Column Style (ROUND) Choose a style: Round Tapered Plain, Round Non-Tapered Plain, Round Tapered Fluted, Round Rope, Round Barrel, Round Greek Doric Plain, Round Greek Doric Fluted, or Custom
  2. Column Style (SQUARE) Choose a style if not round: Square Non-Tapered Plain, Square Non-Tapered Fluted, Square Non-Tapered Recessed Panel, Square Tapered Plain
  3. Cap and Base: Specify design:_____
  4. Column Diameter/Width: 8”-18” (wider available)
  5. Column Height: 8’ to 12’ (taller available)
  6. Accessories: Uplift loads resistance achieved with a concealed connection using anchoring system provided by manufacturer.

2.3 MATERIALS

- RoyaLite Purlins and Rafters - Pultruded fiberglass.
- Column material depending on style
  - RoyalCast Architectural Column Shaft & Base– Fiberglass reinforced

Poly/Marble composite
    - RoyaLite Architectural Column Shaft & RoyalCast Base: Pultruded fiberglass and Poly/Marble composite
- RoyalThane Architectural Column Capitals – High density polyurethane
- Installation Hardware – Stainless steel and aluminum

2.4 FINISH

- Columns, Rafters and Purlins are shipped painted white or custom color (For Custom Color Specify Sherwin Williams acrylic latex paint color code).

3.0 EXECUTION

3.1 EXAMINATION

- Do not begin installation until the substrates have been properly prepared.

- Concrete foundation for pergola/Arbor should be minimum 6” thick and column footings should be minimum of 2’ x 2’.

- If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.

3.2 PREPARATION

- Clean surfaces thoroughly prior to installation.

- Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.

3.3 INSTALLATION

- Install in accordance with manufacturer's instructions.

3.4 PROTECTION

- Protect installed products until completion of project.

- Touch-up, repair or replace damaged products before Substantial Completion.

END OF SECTION