Polyurethane Balustrade Systems

SECTION 06 66 50

RoyalThane™ Polyurethane Balustrades

High Density Polyurethane Balustrade Systems
Architectural Specifications

SECTION 06 66 50 - EXTERIOR URETHANE BALUSTRADE SYSTEMS

1.1 General

1.2 Description:

A. Balustrades shall be Royal Corinthian RoyalThane™ Balustrades.
B. Baluster shall be Royal Corinthian Baluster according to their Design No._____.
C. Top Rail shall be Royal Corinthian Top Rail according to their Design No._____.
D. Bottom Rail shall be Royal Corinthian Bottom Rail according to their Design No._____.
E. Newel Post shall be Royal Corinthian Newel Post according to their Design No._____.
F. Newel Post Cap shall be Royal Corinthian Newel Post Cap according to their Design No._____.
G. Decorative Finials shall be Royal Corinthian Decorative Finials according to their Design No._____.
H. All railing connections shall be made with Royal Corinthian Rail Installation kits (HDWR-RLS-A or HDWR-RLS-B)_____.
I. All post connections shall be made with Royal Corinthian Post Installation hardware (HDWR-40 or HDWR-48)_____(wood or concrete)_____.
J. All Rails will be elevated to allow for drainage, if required, using Royal Corinthian Support Blocks (SB4).

1.3 Submittals

A. Submit Royal Corinthian literature and shop drawings if required.
B. Submit baluster and/or top/bottom rail sample as requested by Architect.
C. Field samples shall be capable of being incorporated into the actual construction.

1.4 Warranty

A. The balustrade system shall be guaranteed in writing against defects of materials or workmanship under a Limited Lifetime Warranty to the original owner.
B. Balustrade 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 or flashing 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
603 Fenton Lane
West Chicago, IL 60185
T. 888-265-8661 F. 888-344-2937
royalcor@royalcorinthian.com
www.royalcorinthian.com
B. Substitutions: Not permitted.

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. Allow at least 24 hours for materials to adapt to the environment prior to installation.
B. Handle materials and products to prevent damages to edges, ends, or surfaces
C. Balustrade components shall be protected from dirt, rain (other elements,) and damage prior to and during installation.

3.3 Installation

A. Follow manufacturers detailed installation guidelines. They are available online or by request.
B. Recommend adhesive is a high-end compatible urethane-based adhesive.
C. Use corrosive-resistant fasteners.
D. Upon installation, immediately paint balustrade system using 100% acrylic latex paint.
E. Protect balustrade finish during storage and installation and after completion of installation.