

BROCKWELL
I N C O R P O R A T E D

**Brockwell Incorporated Synthetic Classic Stone Balustrade System
Architectural Specifications**

1.0 GENERAL

1.1 DESCRIPTION

- A. Balustrade system shall be Brockwell Incorporated Synthetic Classic Stone according to their design number _____.
- B. Balustrade system color shall be (Select One): White, Sandstone, Beige, Off-White, Grey, Limestone, or a Custom Color Match (for an upcharge).
- C. Balustrade system texture shall be (Select One): Textured Finish or Smooth Finish.
- D. Balusters shall be Brockwell Incorporated Synthetic Classic Stone according to their Design Number _____.
- E. Top Rail shall be Brockwell Incorporated Synthetic Classic Stone according to their Design Number _____.
- F. Bottom Rail shall be Brockwell Incorporated Synthetic Classic Stone according to their Design Number _____.
- G. Newel Posts shall be Brockwell Incorporated Synthetic Classic Stone according to their Design Number _____.
- H. All railing connections shall be made with Brockwell rail connectors with spring loaded attachment pins.
- I. All Rails will be elevated to allow for drainage, if required, using Brockwell Incorporated Drainage Spacers.
- J. Filler material shall be (Select One): General Purpose, Lightweight, or ASTM E 84-01 Class A rated.

1.2 SUBMITTALS

- A. Submit Brockwell Incorporated shop drawings if required.
- B. Submit color swatch of balustrade system or top/bottom rail sample as requested by Architect.
- C. Submit color sample for custom color match

1.3 VERIFICATION OF DESIGN

- A. The components incorporated into the drawings show dimensions and styles chosen to achieve 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 Brockwell Incorporated 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 elements shall be provided by the Installing contractor as part of the work in this section.

2.0 PRODUCTS

2.1 ACCEPTABLE MANUFACTURER

- A. Brockwell Incorporated
4728 Scarborough Place
Stone Mountain, GA 30087
P. 980.282.8383
sales@columnsdirect.com
ColumnsDirect.com

2.2 MATERIALS – RESIN AND FILLER

- A. Polyester resins shall be General Purpose. The resin will be flame retardant polyester resin designed for use in the roto-cast method.
- B. Filler material shall be General Purpose or ASTM E 84-01 Class A rated.
- C. Final ratio of materials shall consist of polyester resin, pigment, and filler.
- D. Material Thickness shall be 1/4" – 2" depending on the product.
- E. Allowable Tolerances
 - 1. Wind Load Resistance:
 - a. Synthetic Classic Stone elements when installed shall resist loading.
 - b. Minimum wind loading requirements as per standard building code.
 - 2. Dimensional Tolerances of Finished Units
 - a. Dimensions 10' or under: 1/4" +/- .
 - b. Made from Squares: 1/8" +/- per 6' .

3.0 EXECUTION

3.1 DELIVERY

- A. Customer must have appropriate manpower / off-loading machinery.
- B. Protect all components from dirt, rain (and other elements), direct sunlight, and damage prior to installation.
- C. Handle balustrade components with care to prevent damages to edges, ends, or any surfaces.
- D. Prevent any water and/or dirt from getting trapped between any packaging or protective shrink wrap and the balustrade components.

3.2 INSTALLATION

- A. Follow manufacturer's detailed installation guidelines available online or by request.
- B. Recommended Caulk/Adhesive: for all joints, use a high-quality construction adhesive that is flexible and matches the product in color and in texture if available.
- C. Protect all balustrade components and finish during the installation process.
- D. Protect all finished balustrade components from damage, stains and dirt

3.3 WARRANTY

- A. Brockwell hereby warrants its parts upon the following conditions against defects in materials and workmanship for a period of five years after delivery to Purchaser when used and installed under normal conditions.
- B. Failure to follow Brockwell's Storage and Installation instructions will void this limited warranty. Buyer and installer must inspect each piece before installation. Buyer and installer waive all defects which could have been discovered by reasonable inspection prior to installation. This includes all misalignments, misfit parts, dimensional discrepancies and the like.
- C. Complete Product Warranty available online or by request.