

DuraClassic™

Polyester-Resin/Marble Composite Column Architectural Specification

1.0 General

1.1 Description:

- A. Columns shall be Melton Classics **DuraClassic™** Column according to their Design No. _____.
- B. Column design shall have proportions based on the Orders of Architecture.
- C. Columns shafts, capitals and bases shall be manufactured from a fiber reinforced polyester resin and marble composite.
- D. Capitals and base/plinths shall be the manufacturers standard for the size and design indicated.

1.2 Submittals

- A. Submit Melton Classics literature to show column requirements.

1.4 Warranty

- A. The columns shall be guaranteed in writing against defects in materials or workmanship for the lifetime of the original owner.

1.5 Verification of Design

- A. The components indicated on the drawings show dimensions established to accomplish the Architect's intended visual result and to conform to the building's configuration. The contractor shall verify that all components that will actually be provided for the work of this section will fit the building's structural elements and conform to the visual design criteria indicated 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.

2.0 Products

2.1 Acceptable Manufacturer

- A. Melton Classics Incorporated
P.O. Box 465020
Lawrenceville, GA 30042-5020
770-963-3060 * 800-963-3060 * Fax 770-962-6988

2.2 Fiberglass and Resin Materials

- A. Column materials shall meet ASTM E 84-01 test specifications for Class I Flame Spread and smoke development.
 - 1. Flame Spread Index (FSI) = 15
 - 2. Smoke Developed Index (SDI) = 335
- B. Final ratio of materials shall be approximately 3% fiber 97% resin composite for the body of components.
- C. Shaft thickness shall be 3/8" to 1" depending on diameter.

3.0 Material Properties

3.1 Physical Properties

- A. Flexural Strength, psi 77 degrees F = 30,000
- B. Flexural Modulus, 77 degrees F = 1.3
- C. Tensile Strength, psi 77 degrees F = 18,000
- D. Barcol Hardness, 50-55

4.0 Execution

4.1 Installation

- A. Follow manufacturers detailed installation guidelines.