

SPECIFICATION

Division 07 95 00

BG Series Below Grade Expansion Joint System

PART 1 – GENERAL

1.01 Summary

- A. The work shall consist of furnishing and installing expansion joints in accordance with the details shown on the plans and the requirements of the specifications. The joints shall be dual seal, single flange, extruded thermoplastic rubber for sealing expansion joints in below grade applications with the below grade waterproofing system.
- B. Related Work
 - Division 3 – Cast-in-Place Concrete
 - Division 7 – Thermal & Moisture Protection
 - Division 7 – Sealants, Caulking and Waterproofing

1.02 Submittals

- A. Template Drawings - Submit typical expansion joint cross-section(s) indicating pertinent dimensioning of opening, profile recess and adjacent construction.

1.03 Product Delivery, Storage and Handling

- A. Deliver products in each manufacturer's original, intact, labeled containers and store under cover in a dry location until installed. Store off the ground, protect from weather and construction activities.

1.04 Acceptable Manufacturer

- A. All joints shall be as designed and manufactured by EMS, Inc., 13311 Main Road, Akron, New York 14001.
- B. Alternate manufacturers and their products will be considered, provided they meet the design concept and are produced of materials that are equal to or superior to those called for in the base product specification.
- C. Any proposed alternate systems must be submitted and receive approval 21 days prior to the bid. All post bid submittals will not be considered. This submission shall be in accordance with MATERIALS AND SUBSTITUTIONS.

Any manufacturer wishing to submit for prior approval must provide the following:

1. A working 6" sample of the proposed system with a letter describing how system is considered superior to the specified system.

2. A project proposal drawing that illustrates the recommended alternate system installed in the construction that is specific to the project. Typical catalog cut sections will not be considered.
3. Any substitution products not adhering to all specification requirements within will not be considered.

1.05 Quality Assurance

- A. Manufacturer: Shall have a minimum of ten (10) years of experience specializing in the design and manufacture of expansion joint systems.
- B. Warranty: Manufacturer's standard warranty shall apply.

PART 2 - PRODUCT

2.01 General

- A. Provide watertight, expansion joint by EMS, INC. that is designed to provide protection against moisture and water intrusion in below-grade applications. System shall comprise of a heat weldable thermoplastic extrusion with a single flange, manufacturers supplied termination bar, and manufacturers supplied anchors.

Provide Model BG-Series as manufactured by EMS, Inc. and as indicated on drawings for expansion joint locations.

2.02 Fabrication

- A. Seal profile shall be shipped in maximum continuous lengths in manufacturer's standard shipping carton. Seals shall be cut to length on jobsite where required for straight lengths or directional change transitions utilizing appropriate tools, saws and miter boxes. All cuts shall be accurately measured and completed in a neat and workmanlike manner to ensure quality work.

2.03 Finishes

- A. Seals - Standard color offering: Black

PART 3 - EXECUTION

3.01 Installation

- A. Where indicated and noted on the contract drawings, install seal profiles in a neat workmanlike manner. All surfaces to receive seals shall be free from dirt, water, frost, and any loose foreign debris that may be detrimental to effective joint sealing.
- B. Installation contractor shall verify that seal profile is to be installed in the proper

width opening for the appropriate temperature at time of installation. Variations in width or incorrect opening that may affect proper installation and product performance shall be brought to the attention of the architect and product manufacturer prior to installation.

- C. Install seal profiles in strict accordance with the manufacturer's typical details and installation procedure in conjunction with the advice of their qualified representative.

3.02 Clean and Protect

- A. Protect seal profile during construction. After work has been completed in adjacent areas, clean exposed surfaces with a mild cleaner that will not harm or attack the finish.

END OF SECTION

