

GUIDE SPECIFICATION FOR MULTI-PURPOSE EXPANSION/CONTRACTION JOINT FILLER: ASPHALT EXPANSION JOINT

SECTION 03 15 00 – CONCRETE ACCESSORIES

EXPANSION/CONTRACTION JOINT FILLER

Specifier Notes: This guide specification is written according to the Construction Specifications Institute (CSI) format. The section must be carefully reviewed and edited by the architect or engineer to meet the requirements of the project. Coordinate this section with other specification sections and the drawings.

Specifier Notes: W. R. MEADOWS® ASPHALT EXPANSION JOINT is composed of cellular fibers securely bonded together and uniformly saturated with asphalt to assure longevity. Wherever a cost-effective joint filler is required, ASPHALT EXPANSION JOINT meets the need. ASPHALT EXPANSION JOINT is versatile, resilient, flexible, and non-extruding. When compressed to half of its original thickness, it will recover to a minimum of 70% of its original thickness. ASPHALT EXPANSION JOINT will not deform, twist or break with normal on-the-job handling. Breakage, waste, and functional failure resulting from the use of inferior, foreign fiber materials can cost you time and dollars and can result in a substandard finished job ... thereby, generating costly callbacks and rework expenses. However, the purchase and installation of ASPHALT EXPANSION JOINT (a small segment of the total project's cost) contributes to both the final cost efficiency and functional success, far greater in proportion than its original cost.

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Application of expansion/contraction joint filler.

1.02 RELATED SECTIONS

Specifier Notes: Edit the list of related sections as required for the project. List other sections dealing with work directly related to this section.

- A. Section 03 00 00 - Concrete.
- B. Section 32 13 73.16 – Field-Molded Concrete Paving Joint Sealants.

1.03 REFERENCES

- A. AASHTO M 33 – Standard Specification for Preformed Expansion Joint Filler for Concrete (Bituminous Type).
- B. ASTM D994 – Standard Specification for Preformed Expansion Joint Filler for Concrete (Bituminous Type).
- C. FAA Specification Item P-610-2.7 - Structural Portland Cement Concrete.

1.04 SUBMITTALS

- A. Comply with Section 01 33 00 - Submittal Procedures.
- B. Submit manufacturer's product data and application instructions.

1.05 DELIVERY, STORAGE, AND HANDLING

- A. Deliver materials to site in manufacturer's original, unopened containers and packaging, with labels clearly identifying product name and manufacturer.
- B. Store materials in a clean, dry area in accordance with manufacturer's instructions.
- C. Protect materials during handling and application to prevent damage.

PART 2 PRODUCTS

2.01 MANUFACTURER

- A. W. R. MEADOWS, INC., PO Box 338, Hampshire, Illinois 60140-0338. (800) 342-5976. (847) 683-4500. Fax (847) 683-4544. Website: www.wrmeadows.com.

2.02 MATERIALS

- A. Performance-Based Specification: Resilient, flexible, non-extruding, expansion-contraction joint filler. Cellular fibers securely bonded together, uniformly saturated with asphalt. Joint filler shall conform to the following standards and have the following requirements:
 - 1. ASTM D994
 - 2. AASHTO M 33.
 - 3. FAA Spec Item P-610-2.7.

Specifier Notes: Specify the thickness of the expansion-contraction joint filler.

- 6. Thickness: [3/8"] [1/2"] [3/4"] [1"]

- B. Proprietary Based Specification: ASPHALT EXPANSION JOINT by W. R. MEADOWS, INC.

2.03 ACCESSORIES

- A. Hot-Applied Pavement Joint Sealant: #164 or HI-SPEC®.
- B. Cold-Applied Pavement Joint Sealant: SOF-SEAL® Cold-Applied, Low-Modulus Horizontal Joint Sealant or SAFE-SEAL® 3405 High-Performance, Cold-Applied, One-Component, Horizontal Crack and Joint Sealant.
- C. Expansion Joint Cap: SNAP-CAP®.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Examine areas to receive expansion/contraction joint filler. Notify architect if areas are not acceptable. Do not begin application until unacceptable conditions have been corrected.

3.02 APPLICATION

- A. Install expansion-contraction joint filler in accordance with manufacturer's instructions.
- B. Position joint filler against forms, at interrupting objects or columns, and against abutting structures before concrete placement.
- C. Install joint filler 1/2" (12.7 mm) below concrete surface.
- D. Prior to sealing, slide expansion joint cap over the expansion joint.

- E. Place concrete and screed to finish grade.
- F. Allow concrete to cure.
- G. Insert screwdriver through the top of expansion joint cap, pull free, and discard.
- H. Seal with pavement joint sealant.

3.04 PROTECTION

- A. Protect pavement joint sealant from traffic until fully cured.

END OF SECTION