

GUIDE SPECIFICATION FOR MULTI PURPOSE EXPANSION/CONTRACTION JOINT FILLER: DECK-O-FOAM® EXPANSION JOINT FILLER

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 DECK-O-FOAM expansion joint filler is a flexible, lightweight, non-staining, polyethylene, closed-cell expansion joint filler. It is a chemical-resistant, ultraviolet stable, non-absorbent, low density, economical, compressible foam that offers an extended service life in both interior and exterior applications. DECK-O-FOAM is supplied with a convenient, pre-scored "removable" strip to provide a uniform sealing reservoir in the joint. It also serves as a sealant bond-breaker and provides an economical alternative as an expansion joint in all concrete paving projects. It is compatible with all currently available cold-applied sealants.

DECK-O-FOAM is ideal for use as an expansion, contraction and/or isolation joint in swimming pool decks, curb and gutter work, floor slabs, pavement patch repair, sidewalks, driveways, plazas, parking decks, highways, and airport runways.

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Application of closed cell foam 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. ASTM D1622 - Standard Test Method for Apparent Density of Rigid Cellular Plastics.
- B. ASTM D3575 - Standard Test Methods for Flexible Cellular Materials Made From Olefin Polymers.

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. Web Site www.wrmeadows.com.

2.02 MATERIALS

- A. Performance Based Specification: expansion joint filler shall be flexible, lightweight, non-staining, polyethylene, and closed cell. It shall be a chemical-resistant, ultraviolet stable, non-absorbent, low density, compressible foam and have the following requirements:
 1. Density, ASTM D1751: 2.0 lbs/cu.ft. (32.04 kg/cu. m)
 2. Compression, ASTM D3575
 - a. 10% Deflection: 10 psi (69 KPa) maximum.
 - b. 80% Deflection: 125 psi (862.49 KPa) max.
 3. Tensile Strength, ASTM D3575: 55 psi (379.50 KPa)
 4. Water Absorption, ASTM D3575: 0.5% vol. maximum.
 5. Temperature Stability: -40°C to 71°C (-40°F to 160°F).
- B. Proprietary Based Specification: DECK-O-FOAM Expansion Joint Filler by W. R. MEADOWS.

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. Attach expansion joint filler securely to the existing concrete slab, coping or form with tape or mechanical fasteners prior to pouring the concrete slab.
- C. Ensure that the expansion joint filler is level with the desired slab surfaces prior to finishing.
- D. Remove the pre-scored strip if applying joint sealant.
- E. Seal the concrete with joint sealant.

3.03 PROTECTION

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

END OF SECTION