GUIDE SPECIFICATION FOR NON-GASSING, HEAT RESISTANT BACKER ROD: CERA-ROD™ JOINT FILLER

SECTION 07 91 23 – BACKER RODS

BACKER ROD FOR COLD-APPLIED SEALANTS

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: CERA-ROD is a round, flexible, continuous-length, non-absorbent, non-gassing, non-staining and non-shrinking material extruded from a cross-linked polyethylene. Compression/deflection is approximately 8 psi (55.2 KPa) at 25% deflection.

CERA-ROD is used in joints or large cracks in Portland cement or asphalt concrete. It provides the correct sealant reservoir configuration, controls joint depth, and prevents sealant run-out through the bottom of the joint. CERA-ROD also acts as a bond-breaker to prevent bottom-side sealant adhesion. CERA-ROD can be used with cold- or hot-applied sealants. It will not melt, shrink, evaporate, or stain.

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Application of closed-cell foam backer rod.

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 32.12.16 – Asphalt Paving.

C. Section 32.13.13 – Concrete Paving.

C. Section 32 13 73 – Concrete Paving Joint Sealants.

1.03 REFERENCES

A. ASTM D 5249 Standard Specification for Backer Material for Use with Cold- and Hot-Applied Joint Sealants in Portland-Cement Concrete and Asphalt Joints

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: backer rod joint filler shall be flexible, lightweight, non-staining, polyethylene, and closed cell. It shall be a heat-resistant, chemical-resistant, ultraviolet-stable, non-absorbent, low density, compressible foam.

B. Proprietary Based Specification: CERA-ROD backer rod by W. R. MEADOWS.

Specifier Notes: Specify the diameter of the backer rod based on pavement joint width. Select backer rod with diameter 1/8" larger than the width of the joint for joint widths up to 3/4". For joints 3/4" and larger, add 1/4" to diameter rod selection.

1. Diameter: [3/8 inch] [1/2 inch] [5/8 inch] [7/8 inch] [1 inch] [1 ¼ inch] 1 ½ inch] [2 inch] ([9.5 mm] [12.7 mm] [15.9 mm] [22.2 mm] [25.4 mm] [31.8 mm] [38.1 mm] [50.8 mm]).

PART 3 EXECUTION

3.01 EXAMINATION

A. Examine areas to receive backer rod. Notify architect if areas are not acceptable. Do not begin application until unacceptable conditions have been corrected.

3.02 APPLICATION

A. Install backer rod in accordance with manufacturer's instructions.

B. Ensure joint or opening is clean, dry, and free of obstructions.

C. Select backer rod with diameter 1/8" larger than the width of the joint for joint widths up to 3/4".

D. For joints 3/4" and larger, add 1/4" to diameter rod selection.

E. Uniformly install backer rod with a single-wheeled or three-wheeled roller

F. Seal the concrete with compatible joint sealant.

3.03 PROTECTION

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

END OF SECTION