

ITEM 16567.5098 M - SILICONE EXPANSION JOINT SYSTEM

DESCRIPTION:

The work shall consist of furnishing and placing a rapid curing silicone joint sealing system at the locations indicated on the plans.

MATERIALS:

Header material, silicone and backer rod supplied for this work shall be one of the following or approved equal:

- a) XJS System - as furnished by:

SSI Construction & Industrial Materials
4305 Rockford
P.O. Box 50009
Tusla, OK 74150

- b) Silicone Sealant and Ambient Cured Elastomeric Concrete as furnished by:

Watson Bowman, Acme Corp.
95 Pineview Drive
Amherst, New York 14428

Two copies of the materials details for the header material and silicone shall be supplied to the Engineer at least ten days prior to the intended use of these products.

CONSTRUCTION DETAILS:

Any experienced technical representative employed by the manufacturer shall be present during all phases of substrate preparation and material installation. No material placement will be permitted unless the technical representative is at the placement site. The representative shall:

1. Advise both the Engineer and the Contractor regarding proposed installation procedures to assure the header material and silicone are installed correctly.
2. After installation is completed, certify to the Engineer in writing that the system was installed in accordance with the manufacturer's requirements.

Unless the manufacturer's literature require more thorough cleaning, the following surface cleanliness requirement shall apply:

1. All concrete surfaces to come in contact with the header material shall be abrasive blast cleaned with oil- free air of all laitance, oil, grease, or any other material which may affect the bond between the header material and the concrete.

Immediately prior to the material installation all receiving surfaces shall be vacuumed clean or air-blown

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clean with oil-free compressed air. No loose material of any nature shall be permitted on any receiving surface.

After the silicone has been installed and cured, a watertightness integrity test shall be performed. The watertightness test shall be performed in accordance with the requirements of Subsection 567-3.01.

METHOD OF MEASUREMENT:

Measurement will be made as the number of meters of joint completely installed, measured horizontally and vertically along the centerline of joint system between the outer limits as indicated on the contract plans. Measurements will be taken only after the completion of the watertightness test meeting all of the requirements and conditions of Subsection 567-3.01H.

BASIS OF PAYMENT:

The unit price bid per meter shall include the cost of all labor, materials and equipment necessary to complete the work. The costs of removing concrete for the joint header shall be paid under separate items.

No payment will be made for any material installed as replacement material for that removed, unless the Engineer certifies that the reason for removal was beyond the Contractor's control, or the plans specifically require the removal.

DISAPPROVED