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## SELF-EXPANDING CORK EXPANSION JOINT

EXPANSION  $\longleftrightarrow$  CONTRACTION

### DESCRIPTION

SELF-EXPANDING CORK EXPANSION JOINT is formed and compressed under heat and pressure to permit expansion up to 140% of original thickness after installation, which permits the filler to compensate for concrete shrinkage. Normal humidity conditions after installation activate the self-expanding properties of the cork. Product may be cut on jobsite to exact size required.

### USES

SELF-EXPANDING CORK EXPANSION JOINT is used where high resiliency is needed, such as in sewage plants, floodwalls, spillways, filtration plants, and numerous commercial and industrial applications. SELF-EXPANDING CORK EXPANSION JOINT is especially desirable where a constant friction-fit is required.

### FEATURES/BENEFITS

- High resiliency with excellent recovery after compression.
- Protects against water infiltration when properly sealed.
- Easy to handle and install.
- Offers isolation capabilities.

### PACKAGING

| Thickness Widths | Slab Widths  | Standard Lengths |
|------------------|--------------|------------------|
| 1/2" (12.7 mm)   | 24" (610 mm) | 3' (.91 m)       |
| 3/4" (19.05 mm)  |              |                  |
| 1" (25.4 mm)     |              |                  |

### SPECIFICATIONS/STANDARDS

- AASHTO M 153, Type III
- ASTM D1752, Type III
- Corps of Engineers CRD-C 509, Type III
- FAA Specification Item P-610-2.7
- Federal Specification HH-F-341 F, Type II, Class C

### APPLICATION

The type of control joint and spacing used will vary with each project according to the type of structure, climatic conditions, and anticipated stresses in the concrete. Thinner joints of 1/4" (6.35 mm), 3/8" (9.53 mm), or 1/2" (12.7 mm), spaced at frequent intervals, offer greater control than thicker joints spaced at greater intervals. The basic objective is to provide ample room for the concrete to expand or contract without creating damaging stresses. Expansion joints should be positioned against forms at interrupting objects or columns and against abutting structures prior to the placement of the concrete.

SELF-EXPANDING CORK EXPANSION JOINT should be recessed 1/2" (12.7 mm) below the concrete surface to accept the joint sealant. To isolate filler from sealant, use SNAP-CAP® from W. R. MEADOWS. SELF-EXPANDING CORK EXPANSION JOINT should be installed in a concrete joint within 24 hours of pouring. The moisture present in the concrete and the heat of hydration is typically sufficient to cause the product to fully expand. NOTE: When installed in existing concrete, it will be necessary to apply clean, hot water [ $>180^{\circ}\text{F}$  ( $82.2^{\circ}\text{C}$ )] to the exposed edges of the cork to facilitate expansion. A pressure washer capable of producing hot water or a steam cleaner may be used to produce the hot water.

SNAP-CAP should be installed flush with the surface. After removal of the top section of SNAP-CAP, the joint opening is ready for sealing with a suitable sealant from W. R. MEADOWS. DECK-O-SEAL®, POURTHANE NS, POURTHANE SL, and SOF-SEAL® are suitable sealants for horizontal applications of SELF-EXPANDING CORK EXPANSION JOINT. Hot-applied sealants such as 3405 and HI-SPEC® from W. R. MEADOWS are also compatible. The recommended sealants for vertical applications are DECK-O-SEAL GUN GRADE and POURTHANE NS.

For detailed information on expansion properties, installation guidance, and proper equipment, see TECHNICAL BULLETIN: SELF-EXPANDING CORK EXPANSION JOINT.

For most recent data sheet, sustainability information and safety data sheet, visit [www.wrmeadows.com](http://www.wrmeadows.com).

CONTINUED ON REVERSE SIDE ...

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#### **LIMITED WARRANTY**

W. R. MEADOWS, INC. warrants at the time and place we make shipment, our material will be of good quality and will conform with our published specifications in force on the date of acceptance of the order. Read complete warranty. Copy furnished upon request.

#### **Disclaimer**

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