If you need more information on our complete line of expansion joints, here are four quick and easy access points:

• Visit our comprehensive website: www.wrmeadows.com
• Contact W. R. MEADOWS, INC. via email: info@wrmeadows.com
• Call toll free: 1-800-342-5976
• Fax: 1-847-683-4544

Ideal applications:
- Sidewalks
- Driveways
- Streets
- Single- and Multi-Level Floor Slabs
- Airport Runways
- Flatwork
- Commercial and Industrial Applications
- Bridge Structures

Whatever your needs, we have the solution.
Concrete expands and contracts with temperature and moisture changes. When the temperature rises or the moisture content of the concrete increases, expansion takes place. When temperatures drop, the concrete will contract.

The provision to accommodate movement at predetermined locations with proper joint applications prevents the development of stresses that could crack the concrete.

Joint type and spacing will vary with each project according to the type of structure, climatic conditions, and anticipated stresses in the concrete. The coefficient of thermal expansion in concrete is 0.0000055 per linear inch of concrete per degree Fahrenheit of temperature change, yielding approximately .66 inch of movement per 100 feet with a 100°F (38°C) temperature range. To estimate expansion, multiply length in inches x number of degrees of anticipated temperature differential x 0.0000055. Use the resulting anticipated movement to determine correct thickness of the control joint and proper spacing for placement of the joint.

Thinner joints (1/4", 3/8", or 1/2") (.65 mm; 9.53 mm, or 12.7 mm) spaced at frequent intervals offer greater control than thicker joints spaced at greater intervals. The basic concept is to provide ample room for the concrete to expand and contract without creating damaging stresses and resultant cracking.

W. R. MEADOWS – The Innovator In Concrete Expansion Joint Technology

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FIBRE EXPANSION JOINT

Is composed of cellulose fibers securely bonded together and uniformly saturated with asphalt to assure durability. W. R. MEADOWS EXPANSION JOINT is versatile, resilient, flexible, and non-eroding. When compressed to half of its original thickness, it will recover to a minimum of 70% of its original thickness. (U.S. patent numbers 7,616,172; 8,207,638; 8,306,843; 8,241,483; 6,058,804)

SPECIFICATIONS:
- ASTM D1752, Type II
- AASHTO M 153, Type I
- CRA-C 509 Type D (Corps of Engineers)
- Federal Specification HM-F-341F, Type III, Class B
- FAA Item P-610-2.7

FIBRE LITEm

Is a unique, high-day forming material and expansion joint. Time tested across the United States and Canada, this product is perfect for forming walkways, pavers, pool aprons and driveways. FIBRE LITE is compatible with sealants, including polyurethane sealants.

SPECIFICATIONS:
- ASTM D1752 (with exemption for asphalt content)
- AASHTO M 213 (with exemption for asphalt content)

ASPHALT EXPANSION JOINT

Is composed of a blend of asphalts, vegetable fibers, and mineral fibers formed under heat and pressure between two asphalt-saturated timbers. It is waterproof, permanent, flexible, and self-sealing.

SPECIFICATIONS:
- ASTM D904
- AASHTO M 33
- FAA Item P-610-2.7

CERAMAR®

Rigid foam expansion joint filler is composed of a unique blend of isomeric polymers in a very small, closed-cell structure. Gray in color, CERAMAR is a lightweight, highly flexible, and resilient material offering recovery qualities of over 99%. This mini closed-cell structure is virtually non-absorbent. It can be wrapped or formed around curved or circular surfaces.

SPECIFICATIONS:
- ASTM D5249, Type 2
- ASTM D7174

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 extreme cold and heat conditions. DECK-O-FOAm is ideally suited for use in concrete and precast applications where a combination of compression and compression is required. Product is designed for decorative concrete installations.

SPECIFICATIONS:
- ASTM D4932, Type II
- ASTM D4932-12

CORK EXPANSION JOINT

Produced from clean, selected, granulated cork bonded with a synthetic resin. It is highly resilient, will compress without extrusion, and recovers to 95% of its original thickness after 10% compression.

SPECIFICATIONS:
- ASTM D4932, Type II
- AASHTO M 153, Type I
- CRA-C 509 Type D (Corps of Engineers)
- Federal Specification HM-F-341F, Type III, Class A
- FAA Item P-610-2.7

SELF-EXPANDING CORK EXPANSION JOINT

Is formed and compressed under heat and pressure to achieve proper joint thickness after installation, which permits the filler to compensate for concrete shrinkage. Normal curing produces an environmentally friendly, self-expanding property of the cork. Product may be cut on jobsite to exact size required. Product is ideal for water-retaining structures.

SPECIFICATIONS:
- ASTM D3010, Type II
- CRA-C 509 Type D1 (Corps of Engineers)
- Federal Specification HM-F-341F, Type II, Class C
- FAA Item P-610-2.7

SNAP-CAP®

Is a light-duty, flexible, and easy way to mold a strong bond and groove construction joint. KEYWAY snaps into a preformed joint and is easily cut to fit on the job site. KEYWAY is used to form and up to 1/2" diameter joint. KEYWAY provides form, compaction, and prevents concrete from filling cracks.

SPECIFICATIONS:
- FAA Item P-610-2.7

DECK-O-Joint®

Is a decorative expansion joint for use whenever concrete is poured. It is economical, easy to install, and trouble-free. DECK-O-Joint mixes acids, alkalis, chlorines, etc. Light hose down keeps it bright and clean.

SPECIFICATIONS:
- FAA Item P-610-2.7

SPEED-E-JOINT®

Is an ideal solution to controlling cracks in concrete. It is a rigid prefilled contraction joint that produces a straight line crack on the surface of the concrete. SPEED-E-JOINT is used on surfaces just below the surface. SPEED-E-JOINT is strong, economical, and eliminates waste in providing straight lines. It is quick and easy to install. The top section pulls free once the joint has been placed correctly in the wet concrete.
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EXPANSION JOINT TECHNOLOGY - W. R. MEADOWS

1. EXPANSION JOINT TECHNOLOGY offers:
   - ASPHALT EXPANSION JOINT
   - DECK-O-JOINT®
   - KEYWAY™
   - SNAP-CAP®️
   - DECK-O-JOINT™
   - SPEED-E-JOINT®️

FIBRE EXPANSION JOINT

In composed of cellulose fibers securely bonded together and uniformly saturated with asphalt to assure longevity. Our FIBRE EXPANSION JOINT is versatile, resilient, flexible, and non-extruding. When compressed to half of its original thickness, it will recover to a minimum of 75% of its original thickness. (U.S. Patent numbers 7,818,772; 8,057,638; 8,038,845; 8,241,463; 6,068,804) fiber-based products, plastic compositions, and epoxy-type fillers.

SPECIFICATIONS:
- ASTM D4819, Type II
- AASHTO M 153, Type II
- ASTM D1752, Type II
- FAA Item P-610-2.7

CORK EXPANSION JOINT

Cork is produced from clean, waxy, granulated cork bonded with a synthetic resin. It is highly resilient, will compress without extrusion, and recovers to 95% of its original thickness after 10% compression.

SPECIFICATIONS:
- AASHTO M 153, Type II
- FAA Item P-610-2.7

DECK-O-JOINT™️

A decorative expansion joint for use wherever concrete or asphalt is usual, may be designed with flexible, lightweight, and trouble-free. DECK-O-JOINT consists of a unique blend of isomeric polymers that adheres to the sides. It is ideal for both horizontal and vertical concrete projects.

SPECIFICATIONS:
- AASHTO M 153, Type II
- CRD-C 509 Type 3 (Corps of Engineers)
- Federal Specification FF-Y-3417, Type II, Class B
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