

Function and Uses of Cold Joint Protective Covers

Overview

Boots and bellows are flexible rubber or plastic covers used to protect moving joints, shafts, or rods from contaminants. They allow parts to move while blocking dirt, water, and debris, increasing equipment life and reducing maintenance.

DELTA®-COLDJOINT BARRIER is a self-adhesive, waterproofing membrane that protects critical foundation areas such as cold joints. These joints are strategically placed to control where the concrete should crack as it contracts during the curing process and throughout its life. Concrete, being a mix of cement. What is a Cold Joint in Concrete?

(And How to Fix them!) Different pathologies can affect reinforced concrete. Albeit the most famous one is probably honeycomb, normally associated with inadequate concrete vibration during the pouring process, cold joints are also very frequent on construction. Chapters in the report focus on various types of structures and structural elements with unique characteristics: buildings, bridges, slabs-on-grade, tunnel linings, canal linings, precast concrete pipe, liquid-retaining structures, walls, and mass concrete.



Article Content

Oct 15, 2025

DELTA®-COLD JOINT BARRIER | Dörken Systems Inc.

DELTA®-COLDJOINT BARRIER is a self-adhesive, waterproofing membrane that protects critical foundation areas such as cold joints. When used in combination with DELTA®-MS, or any other ...

Oct 09, 2025

XJ Shield – Expansion Joint Covers

XJ Shield: EXpansion Joint Covers XJ Shield offers durable expansion joint covers that provide robust protection for modern construction needs, ensuring longevity and safety.

Jan 28, 2026

What is a Cold Joint in Concrete? (And How to Fix them!)

Joint sealing: Apply specialised sealants to the cold joint to prevent water infiltration and protect against moisture-related damage. Waterproofing coatings: Apply coatings or membranes over the joint area ...

Jan 29, 2026

Expansion Joint Covers

By providing protection from moisture, debris, and mechanical stress, these covers make a building livable, help prevent costly repairs and extend the lifespan of expansion joints.

Jan 13, 2026

Understanding Control Joints and Cold Joints in Concrete: ...

Whether you're planning a new project or looking to repair existing concrete work, understanding the importance of control joints and the risks of cold joints is key to making informed ...

Nov 18, 2025

ACI 224.3R-95 Joints in Concrete Construction

Use of this class of sealants is restricted to horizontal joints, since they would run out of vertical joints when in-stalled hot, or subsequently in warm weather.

Feb 27, 2026

What Are Boots and Bellows? Differences, and Selection Guide

Boots and bellows are flexible rubber or plastic covers used to protect moving joints, shafts, or rods from contaminants. They allow parts to move while blocking dirt, water, and debris, increasing equipment ...

Oct 09, 2025

Universal Joint Boot Covers

In addition to maintaining component lubrication, boots can prevent contaminants entering and damaging the joints in environments polluted with chips, dirt, acids and/or other abrasives.

Jan 30, 2026

Protector U-joint Covers™

Protector U-Joint Covers shield from foreign objects, keep grease off trucks, and out of the environment.

Feb 13, 2026

The Critical Threat of Cold Joints in Concrete Columns: Ensuring ...

A cold joint, being a plane of lower density, higher permeability, and reduced bond, provides a pathway for heat and corrosive gases to penetrate the concrete cover more quickly, ...

Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://www.iiss.co.za>

Email: sales@iiss.co.za

Phone: +27 63 174 2895

Address: Unit 8, Innovation Park, 15 Rivonia Road, Sandton, Johannesburg, 2196, South Africa

This document is for informational purposes only. Specifications subject to change without notice.

