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Emseal's Emshield DFR2 structural expansion joint

An **Emseal Joint Systems** product story

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Emseal introduces breakthrough Emshield DFR2 fire-rated, watertight, trafficable structural expansion joint.

Emseal, the leading manufacturer of premium **sealants**, expansion joints and gasket products, announces the first ever trafficable, watertight, fire-rated, high-movement, UL-certified expansion joint, the Emshield DFR2.

Emshield DFR2 fire-rated, watertight, trafficable structural expansion joint

The hybrid silicone and impregnated precompressed foam **sealant** system is ideal for new or retrofit use in construction and infrastructure applications.

Structures that will benefit from this life-safety enhancing technology include parking decks, stadiums, arenas, **hospitals**, schools, universities, airports, and any structure where containment of fire at structural expansion joints is required.

"Before DFR2, expansion joints required separate products to seal, bridge, and fire-rate joints," comments Emseal President and CEO, Lester Hensley.

"That meant separate material and installation costs as well as aesthetic and substrate configuration compromises to accommodate the mineral wool, fire-caulk, fire blankets or cover plates needed to perform the multiple functions required".

"Emshield DFR2 accomplishes all these essential functions in a simple, single installation of just one material".

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Emshield DFR2 is comprised of fire-retardant-impregnated foam pre-coated on the underside with an intumescent fire-proofing material and pre-coated on the traffic surface with highway-grade, fuel resistant silicone.

It is installed into field-applied epoxy adhesive primer and finished with field-injected silicone sealant bands against the substrates.

The result is a single product that can withstand vehicular and other traffic, handle thermal, traffic, wind, and seismic induced movements, provide waterproofing protection of adjacent **building materials** and occupied spaces below, while providing the life-safety protection of a 2-hour fire rating.

"This is truly a game changer," says Emseal Vice President, Dan O'Hayer.

"Market-driven RandD has been at the heart of Emseal's goal to address, through innovation not imitation, the shortcomings of previous technologies and the challenges of ever-changing building requirements".

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building envelope and is not just a matter of filling the gap.

Emseal introduces breakthrough 'DSM System'
Watertightness, low-temp flexibility and high-temp stability in structural movement joint sealing from Emseal.

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