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News Story

Precompressed Joint Sealant handles temperature extremes.

June 5, 2007 - DSM SYSTEM is formulated for new or retrofit use in applications requiring watertight, traffic-durable expansion joint treatment. Along with low-temperature flexibility and high temperature stability, solution has odorless, clean handling, UV-stable, and non-staining formula comprised of hybrid silicone and impregnated precompressed foam. Chemistry incorporates hydrophobic micro-cell component and features microsphere-modified-acrylic impregnation.

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Press Release

Release date: May 14, 2007

Emseal Introduces Breakthrough "DSM SYSTEM"

New Chemistry Yields Watertightness, Low-Temp. Flexibility and High-Temp. Stability in Structural Movement Joint Sealing

WESTBOROUGH, MA. and TORONTO, ON - EMSEAL, the leading manufacturer of premium sealants, expansion joints and gasket products, announces its breakthrough DSM SYSTEM.

The hybrid silicone and impregnated precompressed foam sealant system is ideal for new or retrofit use in applications requiring watertight, traffic-durable expansion joint treatment, such as in parking decks, building perimeter joints, stadiums, ice-floors and other sports arena movement joints.

EMSEAL's DSM SYSTEM is an evolution of prior products and features EMSEAL's patent pending microsphere-modified-acrylic impregnation. This new chemistry incorporates a hydrophobic micro-cell component never before available in a precompressed sealant formulation.

The product features sealing performance significantly greater than any acrylic impregnated predecessor. In addition, it is odorless, clean handling, UV stable, non-staining, and features low temperature flexibility not previously available in asphalt, wax, or isobutylene-based predecessors.

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The result is the extension of the usability of impregnated foam sealants to application conditions where asphalt and wax-based predecessors did not work well. These conditions include those of thermal shock (rapid opening and closing of joints during large temperature swings) as well as where high temperature and simultaneous joint closing have challenged impregnation bleeding stability.


The DSM SYSTEM has been proven effective in joint-face adhered installations on top decks as well as intermediate decks, and in stadium tread and riser applications in substrates of concrete and metal.

"This product takes EMSEAL's technology leadership position in precompressed foam sealants-and building on a long and successful track record, extends the capability of this product type into applications that have previously been constrained due to chemistry limitations," comments EMSEAL President and CEO Lester Hensley.

For more information about EMSEAL's DSM SYSTEM , please visit www.emseal.com or contact EMSEAL at: techinfo@emseal.com.

About EMSEAL
EMSEAL is the leading manufacturer of premium sealants and expansion joint systems for the commercial construction industry as well as for numerous gasketing applications in specialty market applications. The company has operated out of locations in the Greater Toronto Area in Canada and the Northeast United States for over twenty-five years. For more information call 508-836-0280 or Toll Free in North America 800-526-8365 or visit the EMSEAL corporate website: www.emseal.com.

Contacts:

General Information:
Lester Hensley
USA
Phone: 508-836-0280
 [E-mail this person](#)

Company Information:
Name: Emseal Joint Systems, Ltd.
Address: 23 Bridle Lane
City: Westborough
State: MA
ZIP: 01581
Country: USA
Phone: 508-836-0280
FAX: 508-836-0281
<http://www.emseal.com>

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