

# Buildingtalk

The latest news for Architects, Civil Engineers and Building Services Contractors

## Emseal's new Universal-90 expansion joints

An **Emseal Joint Systems** product story

Edited by the Buildingtalk editorial team **Mar 27, 2009**

**Emseal has expanded its line of precompressed coated foam sealants with the addition of patent-pending Universal-90 transitions and terminations.**

In all Emseal expansion joint systems continuity of seal through changes in plane and direction is an essential performance differentiator.



*Emseal Universal-90 expansion joints*

To maintain this advantage, Universal-90 transitions are factory-fabricated single-piece 90-degree units which are designed to be installed in corners, risers, parapets, curbs and other locations where vertical or horizontal transitions and joints may occur.

Because they are coated on both top and bottom they can be rotated to be either an inside or outside corner as well as an upturn or downturn transition.

One single design meets all of these directional requirements.

### Contact Emseal Joint Systems

**Tel** (USA) 800-526-8365

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Emseal routinely handles curved expansion joints as is demonstrated at the new Jet Blue terminal at JFK International Airport, New York.

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Emseal's Universal-90's are also available as factory-fabricated 90-degree terminations.

Each piece is manufactured with one end pre-cut at 45-degrees, coated and sealed.

This allows the termination to function as a stand-alone upturn or provides a surface against which a wall joint system can be married.

When flipped over, the Universal-90 termination unit can alternatively be installed as a downturn termination where a joint runs off the deck.

In this use, the sealed, mitered end provides a drip edge for drainage of water off the joint.

"Designers and installers have long known that transitions and terminations present a number of challenges in any expansion joint system," comments Emseal President and CEO, Lester Hensley.

"To address these problems we set out to create a simple and effective solution".

"The result is our Universal-90 which handles the change in plane and direction while maintaining the integrity of the waterseal or fireseal".

Every Emseal coated, impregnated precompressed foam **sealant** system now offers Universal-90 units.

Each is ideal for new or retrofit use in construction and infrastructure applications because it maintains the same performance characteristics of its related product

"We realized that installers in the field were spending a lot of time cutting and mitering angles which could then turn out to be the weakest point of a waterproofing system," adds Emseal Vice President, Dan O'Hayer.

"Because our Universal-90's are fabricated in our factory, they eliminate alterations at the job site which helps to reduce the time needed for installation while ensuring that corners remain watertight."

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conditions.

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### Choosing a sealant for building applications

Lester Hensley from Emseal explains why joint sealants function as an integral component of the building envelope and is not just a matter of filling the gap.

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