

Wabo[®]Crete Membrane Generation II

A superior elastomeric membrane sealing system capable of handling seismic and other unforeseen outward structural movements

Expansion Joint Systems

What is Wabo®Crete Membrane Generation II?

Wabo®Crete Membrane Generation II is a highly engineered durable Elastomeric Concrete expansion joint system that combines the industry's original and most specified proven design with greater seismic capable technologies that require less labor, and will ultimately save you time and money on the jobsite.

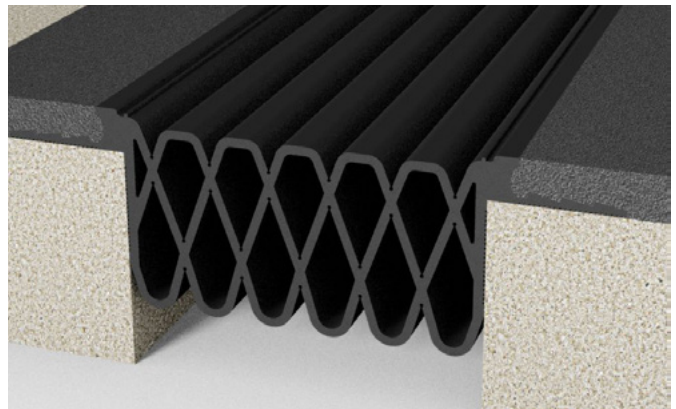
What are the primary uses for Wabo®Crete Membrane Generation II?

If you are looking for a parking garage or stadium joint that is both ADA compliant and watertight, look no further than Wabo®Crete Membrane Generation II.

The unique engineered features of the pedestrian friendly seismic capable elastomeric seal easily accommodates unforeseen outward structural movements (ie: seismic, shrinkage, creep or other unknown movements) beyond its relaxed width without sacrificing performance and water tightness

How do we know that Wabo®Crete Membrane Generation II is superior to all other similar systems?

Watson Bowman Acme as a trusted partner conducts independent 3rd party testing on its expansion joint systems to validate product capabilities and performance.



What sets Wabo®Crete Membrane Generation II apart from similar systems?

Complete with 5 year materials and installation WBA Factory Trained Applicator Warranty, this system was designed for Owners, Engineers, and Installers

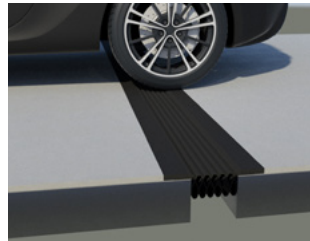
Functionality

Increased movement reduces project related design risks for the consulting engineer and installation labor for the experienced installer. It also adds a safety factor as this new system now is able to compensate for unknown movements.

Installation

Symmetrical web design across the width of each seal profile has created an installer friendly system. Less compressive force is required by the installer to insert seal into joint opening compared to other winged joint systems.

Where deck to wall or column conditions occur Generation II offers the installer a labor savings “stay-in-place” form that accepts the elastomeric concrete for increased durability, aesthetics and resistance against moisture penetration.



Design

This system includes the new and improved Wabo®Crete Parking Series gray self-leveling elastomeric concrete as requested by design professionals and owners. It can be easily mixed for rapid placement against the seal’s heavy-duty integral bulkheads that have been intentionally located directly over the edge of slab to transfer wheel loads into the concrete. Finished off with broadcast aggregate BASF Masterseal® 940 for an aesthetically pleasing look.

FEATURES	BENEFITS
Watertight applications	The heavy-duty membrane seal combined with Wabo®Crete Parking Series elastomeric concrete provides a monolithic system preventing water from permeating through the expansion joint opening.
Energy absorbing	Wabo®Crete Parking Series has been developed to absorb impact loads and flexure associated with typical parking deck applications
Seismic Capabilities	Capable of 80% (min.) rapid outward movement beyond profile’s relaxed width.
Proven performance	Accommodates unforeseen outward structural movements. Performance validated through 3rd party testing following ASTM international testing standards.
Optional “Stay-in-Place” form	Accommodates irregular vertical surfaces, reduces labor, aesthetic value.
Gray elastomeric concrete color	Wabo®Crete Parking Series and Masterseal® 940 broadcast aggregate with attractive gray color helps system blend with adjacent surfaces including traffic deck coatings.

Frequently Asked Questions

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Wabo®Crete Membrane Generation II seal profiles now incorporate a redesigned bulkhead with greater mass to absorb impact loads transferring those loads directly to edge of a slab.

Additionally, Wabo®Crete Membrane Generation II has seismic capabilities. Both internal and third party cycle testing has validated seal performance and capabilities providing increased confidence for the specifier.

Is Wabo®Crete Membrane Generation II the same as competitive winged expansion joint systems?

Absolutely not. Wabo®Crete Membrane Generation II has superior movement ranges than any other winged expansion joint system in the market. Additionally, this redesign has made it the most pedestrian friendly system out there. Symmetrical web design and wider top surface rib design allows uniform closure of seal profiles resulting in an increased level/flush surface across the rib area and joint opening when under compression.

Can I use Wabo®Crete Membrane Generation II for deck to wall conditions?

Yes. Wabo®Crete Membrane Generation II has incorporated a unique vertical flap for deck to wall conditions. This will simplify installation while reducing warranty claims. The flap is extruded with a hinge point to minimize the coiling effects typically associated with palletizing continuous coils of seal profiles.

I'm confused, is the Wabo®Crete ME-300 original system the same as Wabo®Crete ME-300 Generation II?

No. WBA's winged membrane ME expansion joint systems have always been numbered based on maximum elongation during outward thermal movement. In the case of our original Wabo®Crete Membrane System, max width also equaled relaxed width. With the superior seismic movement capabilities of Wabo®Crete Membrane Generation II, maximum width extends far beyond relaxed width. **Meaning, that you save time and money with an easier, faster and safer installation that can account for unforeseen movement.**

Wabo®Crete ME Generation II	Relaxed seal width / maximum opening for installation	Minimum opening for installation	Maximum thermal opening
ME-250	1 7/8"	1"	2 1/2"
ME-300	2 1/4"	1"	3"
ME-450	3"	1 1/2"	4 1/2"
ME-600	4 3/16"	2"	6"
ME-700	5 3/16"	2 1/2"	7"
ME-850	6 3/16"	3"	8 1/2"

Note: for any corner application condition (ie: deck to wall) the new seal description will have a suffix "C" after the number. (ie: ME-850C)
See product details and cut sheets for additional movement information.



For more information visit watsonbowmanacme.com