

Emcrete II by Emseal

Non-Hazardous High-Impact Elastomeric Concrete Material

Features	Benefits
<ul style="list-style-type: none"> Durable 	Flexible, impact-resistant trafficable surface
<ul style="list-style-type: none"> Versatile 	Useful in a wide range of applications and is compatible for use in extreme temperatures
<ul style="list-style-type: none"> Efficient 	Fast mixing and installation to help minimize labor costs



DESCRIPTION:

Emcrete II is a flexible, durable, high-impact elastomeric concrete material. It is a bio-based, non-hazardous, extremely-low VOC product primarily used as a component of an expansion joint assembly. Emcrete II is comprised of a two-component polyurethane resin mixed with sand and aggregates.

RECOMMENDED FOR:

- Elastomeric Concrete – To act as an elastomeric concrete where the possibility of spalling or cracking is a concern for standard concrete or where existing spalls or potholes in concrete roadways, bridges, sidewalks, etc. is required.
- Repair – To repair spalled joint opening edges in high load-bearing applications. The spalled concrete must be cut out using industry standards for concrete repair. Once the joint opening edge has been cut and cleaned, the self-leveling Emcrete II can be poured to form a horizontal elastomeric gap edge that is more resistant to spalling and joint opening edge deterioration.

PACKAGING/COVERAGE:

- Each "Unit" of Emcrete II Part A and Part B is shipped in separate 2-container boxes. Part C container buckets are also grouped in pairs.
- One (1) can of Part A. Each can containing 0.96 US gallons of Part A.
- One (1) can of Part B. Each can containing 0.53 US gallons of Part B.
- One (1) bucket of Part C aggregate. In the bottom of the shipping pail is 57.8 lbs of aggregate.
- Sikadur® -32 Hi-Mod epoxy primer.

NOTE:

Installation requires additional Sikadur®-32 Hi-Mod primer (included in kit).

Kit Yield – 1 Unit = 0.6 cubic-feet / 2 Units = 1.2 cubic-feet

Storage – Components have a storage shelf life of 1-year at 65° - 90°F (19° - 33°C)

PHYSICAL PROPERTIES:

Emcrete II

PHYSICAL PROPERTY	ASTM TEST METHOD	REQUIREMENTS
Compressive Strength	D 695	Min. 2200 psi
Bond Strength to Concrete by Slant Shear	C 882	Min. 1000 psi
Abrasive Index	C 501	Max 2%
Resilience	D695	Min. 99%
Durometer Hardness	D 2240	Min. 65
Percent Elongation	D 638	Min. 50%

APPLICATION:

CAD & GUIDE SPECS:

Guide Specifications and CAD Details are available online at watsonbowmanacme.com or by contacting Watson Bowman Acme.

WARRANTY:

Standard or project-specific warranties are available from Watson Bowman Acme on request. Each product can only perform its designed function if it, and the joint-gap into which it is installed, is sized to suit anticipated joint movements in consideration of the movement capability of the product and in consideration of the temperature at time of installation, and if it is installed in strict accordance with Watson Bowman Acme installation instructions.

INSTALLATION SUMMARY:

- Substrates must be thoroughly dry and the temperature must be at least 45°F (8°C) and rising to install Emcrete II. The bonding surface should be in sound and good condition before prepping. Newly poured concrete must be full cured. The entire bonding surface is to be wire brushed and fully cleaned leaving no contaminants such as dirt, dust, oils, or other residue on any surface. Next, the area where Emcrete II will be poured should be fully prepped and formed.

- The substrate is then primed with Sikadur®-32 Hi-Mod primer (which is shipped in addition to units of Emcrete II).
- Emcrete II is then mixed in accordance with the complete Installation Instructions in the pre-measured amounts provided. Emcrete II is then poured into the forms where it will self-level and cure exothermically. It can be trowelled to ensure a consistent surface. The working time of Emcrete II is less than 10-minutes after mixing. Working time, and cure time, is longer in cool weather and shorter in hot weather.
- Emcrete II reaches a hardness which allows forms to be pulled within 1 hour (temperatures between 60° - 80°F / 16° - 27°C). If Emcrete II is installed in greater than 80°F, forms can be pulled as quickly as 30-45 mins after mixing. If Emcrete II is to be used in conjunction with BEJS Joint System, forms can be pulled at 1 hr. and BEJS installed after light prep of the Emcrete II joint substrate.
- Pedestrian & vehicular traffic (temperatures between 60° - 80°F /
- 16° - 27°C) Emcrete II can accept traffic within 2-hour after application.

FOR BEST RESULTS:

- Periodically inspect the applied material and repair localized areas as needed. Consult a Watson Bowman Acme representative for additional information.
- Make certain the most current version of the product data sheet is being used. Please consult the website (www.watsonbowmanacme.com) or contact a customer service representative.

OPTIONS/EQUIPMENT:

- Non-flow additive (sloped conditions)
- Two-inch (2") hand margin trowels
- Use a 3/4" heavy duty, slow speed, high torque, drill with an egg-beater style mixing paddle to mix WaboCrete II.
- One clean 5 gallon bucket

RELATED DOCUMENTS:

- Material Safety Data Sheets
- Emcrete II Installation Procedure

LIMITED WARRANTY:

Watson Bowman Acme Corp. warrants that this product conforms to its current applicable specifications. WATSON BOWMAN ACME CORP. MAKES NO OTHER WARRANTY, EXPRESS OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE. The sole and exclusive remedy of Purchaser for any claim concerning this product, including, but not limited to, claims alleging breach of warranty, negligence, strict liability or otherwise, is the replacement of product or refund of the purchase price, at the sole option of Watson Bowman Acme Corp. Any claims concerning this product shall be submitted in writing within one year of the delivery date of this product to Purchaser and any claims not presented within that period are waived by Purchaser. IN NO EVENT SHALL WATSON BOWMAN ACME CORP. BE LIABLE FOR ANY SPECIAL, INCIDENTAL, CONSEQUENTIAL (INCLUDES LOSS OF PROFITS) OR PUNITIVE DAMAGES. Other warranties may be available when the product is installed by a factory trained installer. Contact your local Watson Bowman Acme representative for details. The data expressed herein is true and accurate to the best of our knowledge at the time published; it is, however, subject to change without notice.

Figure 1: Emcrete II Used as Expansion Joint Nosing Material

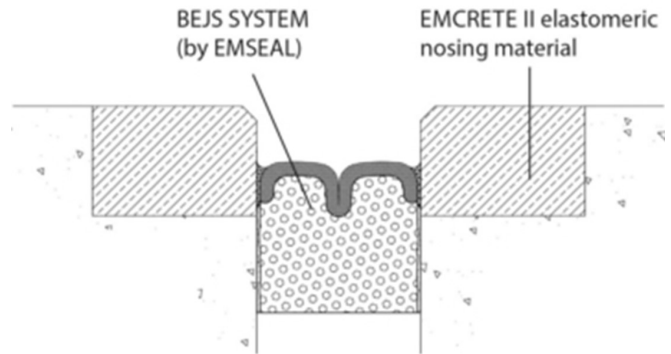
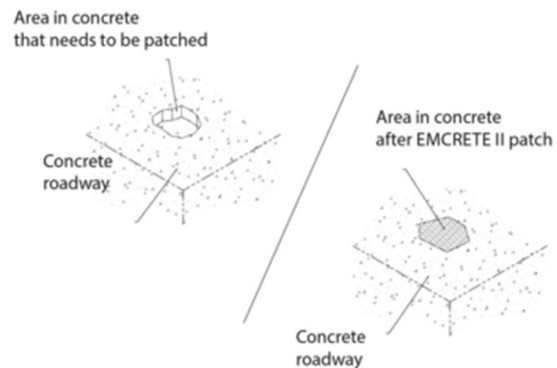


Figure 1: Emcrete II Used as Concrete Patching Material



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