

FlexKrete™ Concrete Repair

Solutions That Repeatedly Save Thousands



Call for a
Free Quote
(603) 394-2188

The Problem

Concrete walkways and floors are one of the most utilized areas in your facility. Their integrity must be maintained in order to keep people safe when walking on them and have a professional appearance. When new installations and repairs are needed, you need a fast, reliable source like BMI to:

- Repair pot holes and broken concrete and spalls
- Rebuild broken curbs, stairways, and platforms
- Restore distressed concrete
- Install parking lots, parking decks, floors, docks, ramps & more.

The BMI Solution

BMI's Flexkrete Concrete Solution allows us to restore old or new concrete without sawcutting, excavation, haul off, noise, dust, and mess. Plus it can be used inside or out. **Flexkrete is several times stronger than concrete**, offers superior strength and adhesion, and **cures at 0°F in one hour meaning no costly delays!** With Flexkrete we can trowel to a feather-edge and fill as deeply as needed. It's also waterproof, chemically resistant, low odor.

Results You Can Rely On:

Avoid costly delays • Improve safety and curb appeal • Durable and long-lasting.



243 Amesbury Road, Unit #6 • Kensington, NH 03833
(603) 394-2188 • info@bmimechanicalinc.com

FlexKrete™ Concrete Repair

Generic Type

Advanced, thermoset vinyl polymer.

Recommended Usage

- Repair pot holes and broken concrete.
- Repair spalls in concrete.
- Feather edge, or use full depth.
- Rebuild broken curbs and platforms.
- Restore integrity of distressed concrete.
- Bridge deck repairs and slabs.
- Parking lots.
- Parking decks.
- Floors, docks & ramps.
- Non-skid, coating for floors, steps & walk-ways.
- Driveway and sidewalk renovation.
- Rebuild stairways.
- Control joints.
- Equipment bases.
- Anchor bolts and posts.
- Level concrete.

Chemical Resistance Guide

(Use FlexKrete 102CR)

Exposure	Immersion	Splash & Spill
Acids	Good	Excellent
Alkalies	Good	Excellent
Petroleum	Good	Good
Saltwater	Excellent	Excellent
Water	Excellent	Excellent

NOTE: For specific harsh chemical environments, contact BMI Mechanical Inc.

Ordering Information:

Shipping Weight: Wt. Per Gallon @ 77° F. 9 lbs.

Packaging: Available in 5 gallon units.



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Physical Data

Solids by wt: approx. (@77° F.)	99%
Solids by vol: approx. (@77° F.)	98%
Specific Gravity @ 77° F.	1.08
Viscosity @ 77° F.	180-250 cps
Flash Point: (ASTM-D-93, Open Cup)	141°F.
Pot Life with 80% aggregate:	
@77°F., approx.	20 min.
@100°F., approx.	12 min.
Pot Life without aggregate:	
@77°F., approx.	13 min.
@100°F., approx.	7 min.
Linear Shrinkage (unfilled)	1.1%
Tensile Modulus (ASTM D 790)	182,000 psi
Tensile Strength (ASTM D 638)	3,530 lb/in ²
Flexural Strength (ASTM D 790)	7,340 lb/in ²
Flexural Modulus (ASTM D 790)	390,000 psi
Elongation % (ASTM D 638)	30%
Water Absorption (ASTM D 570)	0.64%
Compressive Strength	>10,000 psi
Hardness-Shore D (ASTM D 2240)	79
Shelf Life:	6 mos.
VOC:	0

Temperature Limits

Continuous	175° F.
Intermittent	220° F.
Cures @	35° F.

Coverage

1 Gal. FlexKrete™ + 4 Gal. Sand =
 128 sf @ 1/16" Average Thickness
 64 sf @ 1/8" Average Thickness
 32 sf @ 1/4" Average Thickness
 16 sf @ 1/2" Average Thickness
 8 sf @ 1" Average Thickness

For roll and broadcast repairs, approx. 50-100 sf per gallon, depending on the type and porosity of the substrate and the size of the aggregate used.