

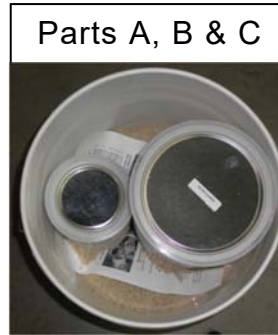


# MM<sup>®</sup> LokCrete Elastomeric Concrete

SPECIALTY DATA  
MM Systems Corporation • 50 MM Way, Pendergrass, GA 30567 • 800.241.3460 • www.mm-usa.com

## DESCRIPTION

LokCrete Elastomeric Concrete is an impact absorbing header material that flexes with deck loads and acts as an expansion-contraction buffer between dissimilar materials. The specially formulated polyurethane technology is engineered to provide a continuous watertight bond to most substrates. The result is a high performance monolithic sealing compound that prevents water intrusion.



## BASIC USE

LokCrete Elastomeric Concrete has been specifically formulated to bond to concrete, aluminum, steel and elastoprene rubber. Many MM expansion joint systems utilize LokCrete as a resilient but flexible blockout infill and embedment material.

## ADDITIONAL USES

LokCrete Elastomeric Concrete can be used as an elevation correcting leveling bed with many expansion joint systems. This creates a flush deck-to-deck transition that provides a pedestrian friendly and safe walking surface.

## FEATURES

- Hard, elastic and abrasion resistant embed material that flexes with deck loads.
- Exceptionally durable under vehicular traffic loads and extreme weather conditions.
- No primers required - tenacious high strength bond to concrete, aluminum and steel.
- Easy to use pre-measured 3 component mix.
- Moisture insensitive.
- Non shrinking
- Resistant to UV, ozone, acid rain, most chemicals and extreme temperatures.

## COLOR OPTIONS

LokCrete<sup>®</sup> Elastomeric Concrete available in UV stable Black or special order Gray.

## STORAGE

All materials should be stored in a cool, dry location 60-80°F (15-27°C) prior to use.

## SUBSTRATE LIMITATIONS

- Concrete blockout and structural joint opening must be sound, dry, and free of any laitance, curing agents or foreign matter. Prepare by abrasive blasting.
- All metal surfaces should be clean and prepared by abrasive blasting.
- Installation temperature must be 40°F and rising and 5° F above the dew point. Maximum allowable concrete moisture content is 5%.
- Do not install in latex modified mortar or concrete.
- Use with MM Elastobond Activator when bonding to rubber.

## PACKAGING

"Easy-mix" pre-measured packaging insures consistent field performance. LokCrete is supplied in 5 gallon plastic buckets. Parts A, B and C are pre-measured and self-contained within the bucket. (550 cubic inch yield.)

## PRECAUTIONS

For Professional Use Only.

Use splash goggles and chemical resistant gloves to avoid prolonged or repeated skin contact. Use with adequate ventilation. In case of eye contact, immediately flush (low pressure) with lukewarm water. In case of skin contact, immediately wash skin with soap and water. Read and follow labels and Material Safety Data Sheet before use.

# MM LokCrete Elastomeric Concrete

## PHYSICAL PROPERTIES

Physical Property	Test Method	Value
<b>Binder Only</b>		
Tensile Strength	ASTM D412	4750 psi
Ultimate Elongation	ASTM D412	10%
Hardness, Shore D	ASTM D2240	78 +/-5
Tear Resistance	ASTM D624	200 pli
Water Absorption, max	ASTM D570	3%
Heat Shrinkage, max	ASTM D1299	2%
Compression Set	ASTM D395	48%

Physical Property	Test Method	Value
<b>Binder &amp; Aggregate</b>		
Compressive Strength	ASTM D695	2800 psi
Compressive Stress	ASTM D695	800 psi
Resilience @ 5% deflection	ASTM D695	95%
Impact Resistance -20°F (-29°C)	ASTM D420	No Cracks
Adhesion	ASTM D421	Concrete Failure
Cure Time / Open to traffic		24 Hours*
Cure Time / Chemical Resistance		7 Days

\* LokCrete will cure in 2-6 hours but actual cure time varies based on temperature and other environmental conditions. Do not allow automobile traffic to pass over the joint in the first 24 hours since vertical deck deflection may cause the LokCrete to debond from the rubber seal or concrete deck.

### DISCLAIMER:

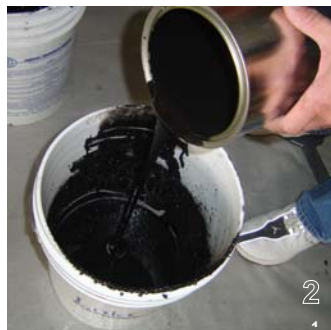
All recommendations, technical data and test data contained in this data sheet are based upon the results of controlled laboratory tests or in actual field tests. However, MM Systems makes no warranty of any kind concerning this data. Due to variance in storage, handling and application to these materials, MM Systems accepts no liability for the results obtained. It is suggested to try small applications to determine suitability of each project specific requirement.

## MIXING INSTRUCTIONS

- Each unit yields approximately 550 cubic inches of blended A, B and C components. Use 500 cubic inches when calculating to allow 10% waste.
- Premix Part A (black) for 1 minute with small jiffy-paddle type mixer.
- Add in entire contents of Part B Activator into the Part A can and mix for 1 minute with jiffy-paddle mixer. Don't worry the contents will not overflow.
- Pour entire contents of premixed Parts A & B into a clean 5-gallon bucket. (Photo 2)
- Scrape down sides of the can to insure you empty out all premixed Part A&B liquids.  
**HINT:** Use a HYDE Paint Miser (phone 888-211-8621) or plastic baker's spatula to scrape down the sides. (Photo 3)
- Immediately and gradually add Specialty Aggregate Part C and blend with Benner-Nawman Mixer BNR6208 and Auger Style Mixing Paddle BNR010-140 ([www.ccinetwork.com](http://www.ccinetwork.com)) for 3 minutes minimum or until all components are thoroughly blended. Avoid entrapment of air during mixing by lifting the paddle with an up and down motion. (Photo 4)
- Follow step by step Installation Instructions for specific expansion joint system used with LokCrete Elastomeric Concrete.



Auger Style Mixing Paddle



Pre-mix A&B with Jiffy-Mixer



[www.hydestore.com](http://www.hydestore.com)



Slowly add aggregate and blend 3 minutes

## LIMITED WARRANTY

MM Systems warrants LokCrete to be free of defects in material and conform to technical data listed. Since methods of application can affect performance and on site conditions are beyond our control, MM Systems makes no other warranty, expressed or implied, including warranties of MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. MM Systems sole obligation shall be, at its option, to replace, or to refund the purchase price of the quantity of system proved to be defective. In no event shall MM Systems be liable for any special, incidental, consequential, loss of profits or punitive damages. Other warranties may be available when installed by a MM Systems Certified Contractor.

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Spec Data

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