

**LOCTITE®**

# Fixmaster® Magna-Crete Fixmaster® Magna-Grout Concrete Repair Products



Excellence is our Passion

## Loctite® Fixmaster® Magna-Crete

### Features and Benefits

- Can be mixed and applied from -15°F to 115°F (-26°C to 46°C).
- Fast setting with working times from 5 to 20 minutes depending on air temperature – reduces repair time, labor costs, and down time.
- Does not shrink or crack.
- Freeze and thaw resistant.
- Bonds to concrete, wood, glass, steel, and other construction materials.
- Chemically resistant to most common liquids and chemicals, excluding acids.
- High impact resistance.
- High compression strength.
- Can be applied over existing structural reinforcements (rebar, screen mesh, etc.) even if rusted.
- Easy to mix and apply – mixes like concrete.



## Loctite® Fixmaster® Magna-Grout

### Features and Benefits

- Same properties as Magna-Crete™ above but containing finer aggregate (less than ¼ in.) so that the mixed material can be poured thinner for resurfacing applications and feather edging.

PROPERTIES CHART							
PRODUCT	ITEM #	CONTAINER	COVERAGE	MAXIMUM TEMP., °F	MAX. COMPRESSION STRENGTH, psi	WORKING TIME, MINUTES*	FUNCTIONAL CURE, HOURS
Loctite® Fixmaster® Magna-Crete™	95551	1 gallon kit	170 in. <sup>3</sup> *	2,000	13,000	5 to 20	1 to 2
	95555	5 gallon kit	770 in. <sup>3</sup> *				
	1012500	1 lb. 12 oz kit	30 in. <sup>3</sup> *				
Loctite® Fixmaster® Magna-Crete™, Large Applications	831304	2,475 lb. supersack	3,564 in. <sup>3</sup> *	2,000	13,000	5 to 20	1 to 2
	976786	55 gallon drum - Activator					
Loctite® Fixmaster® Magna-Crete™ Activator	36334	1 gallon bottle	–	–	–	–	–
Loctite® Fixmaster® Magna-Grout™	1477079	1 gallon kit	170 in. <sup>3</sup> *	2,000	13,000	5 to 20	1 to 2
	1476710	5 gallon kit	770 in. <sup>3</sup> *				
Loctite® Fixmaster® Magna-Grout™, Large Applications	1476709	2,475 lb. supersack	3,564 in. <sup>3</sup> *	2,000	13,000	5 to 20	1 to 2
	976786	55 gallon drum - Activator					
Additives for Magna-Crete™ & Magna-Grout™	40270	1 lb. tub for Winter use	–	–	–	–	–
	40271	1 lb. tub for Summer use	–	–	–	–	–

\*Coverage at 1/4" thickness

\*Working time depends on ambient temperature. Please consult product description sheet or call Technical Service at 1-800-LOCTITE.



# Loctite® Fixmaster® Magna-Crete Loctite® Fixmaster® Magna-Grout Concrete Repair Products

## Loctite® Fixmaster® Magna-Crete and Fixmaster® Magna-Grout Applications Include:

### **Repair**

- Manufacturing, storage and shipping floors
- Ramps and loading docks
- Distribution center and warehouse floors
- Commercial freezers
- Beam and footer repairs
- Leveling floors
- Highways, roadways, and highway dividers
- Bridge decks and nosings
- Parking lots and garages
- Runways
- DOT approved\*

### **Grouting**

- Pre-cast panel grouting
- Columns, foundations, bedplates, baseplates, and machinery
- Anchor bolts and handrails
- Underpinnings
- Crane and track rails
- Roadway dowel rods
- Pressure grouting of realigned slabs
- Concrete consolidation voids or cavities

*\*DOT approval letters and case histories available upon request.*



**BEFORE**

**This bridge overpass** was successfully repaired with Loctite® Fixmaster® Magna-Crete in early February and shows the product's ability to repair vertical surfaces in cold weather. And because



**AFTER**

Loctite® Fixmaster® Magna-Crete does not shrink or crack and is freeze/thaw resistant, this repair is sure to last for many winters to come.



**BEFORE**

**This pier wall** was repaired and completed by two men in just one day thanks to the unique ability



**AFTER**

of the Loctite® Fixmaster® Magna-Crete formula to quickly set in as little as ten minutes.



**BEFORE**

**The support beam** repair in this underground garage was especially easy due to the ability of the Loctite® Fixmaster® Magna-Crete product to be mixed as thick or as thin as



**AFTER**

needed. This thick mixture made the overhead application easy. With Loctite® Fixmaster® Magna-Crete, there's no such thing as a difficult repair.



# Loctite® Fixmaster® Magna-Crete and Magna-Grout

## *Preparation and Installation Procedures*



**STEP 1:** Clean the work area free of dirt and loose particles. Wet surfaces are okay, but standing water is not.



**STEP 2:** Add activator to a clean pail. Mix only as much product needed for the job. For larger applications, please see product description sheet or call Loctite® product tech service at 1-800-LOCTITE.



**STEP 3:** Add aggregate from Loctite® Fixmaster® Magna-Crete or Magna-Grout pail to activator. Add small amounts and mix frequently.



**STEP 4:** Thoroughly mix the two parts, manually or with mixing equipment, to a non-slumping consistency. Mixture should be free of dry spots and very loose activator spots. Mix quickly; typical working time at 80°F is 5 minutes.

**STEP 5:** If necessary, add winter or summer additive after mixing. These additives allow the use of Loctite® Fixmaster® Magna-Crete or Magna-Grout at all ambient temperatures. Mix 1 lb. additive per 5 gallons of mixed material to slow the cure by 10 minutes when summer temperatures are above 85°F, or speed the cure by 10 minutes when winter temperatures are below 45°F.



**STEP 6:** Trowel the non-slumping mixture into the work area.



**STEP 7:** Smooth to a finished surface lightly and quickly.



**STEP 8:** At 80°F, the work area will be ready for pedestrian light duty in less than 30 minutes. The work area will be ready for heavier duty use in 1 hour or less at 80°F.

### **U.S.A.**

**Henkel Corporation  
Engineering Adhesives  
One Henkel Way  
Rocky Hill, Connecticut 06067  
Tel: 860.571.5100  
Fax: 860.571.5465  
[www.henkelna.com/industrial](http://www.henkelna.com/industrial)**

### **Canada**

**Henkel Canada Corporation  
Engineering Adhesives  
2225 Meadowpine Blvd.  
Mississauga, Ontario, Canada L5N 7P2  
Tel: 1.800.263.5043 (within Canada)  
Tel: 905.814.6511  
Fax: 905.814.5391**