



Henkel – Your partner worldwide

Loctite® Magna-Crete *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® Magna-Crete 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® Magna-Crete 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.

Henkel Corporation
Engineering Adhesives
1001 Trout Brook Crossing
Rocky Hill, Connecticut 06067

LOCTITE[®]

Magna-Crete

concrete repair products





Loctite® Magna-Crete

Features and Benefits

- Can be mixed and applied from -15°F to 115°F (-26°C to 46°C)
- Set times from 10 to 90 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
- Chemical 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



PROPERTIES CHART							
PRODUCT	ITEM #	CONTAINER	COVERAGE	MAXIMUM TEMP., °F	MAX. COMPRESSION STRENGTH, psi	WORKING TIME, MINUTES*	FUNCTIONAL CURE, HOURS
Loctite® Magna-Crete	95551	1 gal. kit	4.8 ft. ^{2*}	2000	13,000	15	1-2
	95555	5 gal. kit	21.6 ft. ^{2*}				
	40898	Supersack kit	1188.0 ft. ^{2*}				
Loctite® Magna-Crete Activator	36334	10 lb. bottle	–	–	–	–	–
Loctite® Magna-Crete Winter Additive	40270	1 lb. bottle	–	–	–	–	–
Loctite® Magna-Crete Summer Additive	40271	1 lb. bottle	–	–	–	–	–

*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® Magna-Crete concrete repair products

Loctite® Magna-Crete 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® Magna-Crete in early February and shows the product's ability to repair vertical surfaces in cold



AFTER

weather. And because Loctite® 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® 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® Magna-Crete product to be mixed as thick



AFTER

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