

Maintenance & Repair Epoxies



Loctite® Fixmaster® Maintenance & Repair Epoxy Properties Chart

LOCTITE® PRODUCT		ITEM NUMBER	PACKAGE TYPE & SIZE	COLOR	COVERAGE	MAXIMUM TEMPERATURE† (°F)	COMPRESSIVE STRENGTH‡ (psi)	TENSILE STRENGTH‡ (psi)	HARDNESS (SHORE D)	WORKING TIME	FUNCTIONAL CURE	MIX RATIO BY VOLUME	MIX RATIO BY WEIGHT	AGENCY APPROVALS
EPOXY STICKS	FIXMASTER® METAL MAGIC STEEL™*	98853	4 oz. stick	Grey	16 in. ^{2**}	250	12,000	2,500	80	3 minutes	10 minutes	N/A	N/A	NSF 61
	FIXMASTER® CONCRETE REPAIR EPOXY	39366	4 oz. stick	Grey	16 in. ^{2**}	250	12,000	2,500	80	4 to 7 minutes	10 minutes	N/A	N/A	N/A
	FIXMASTER® UNDERWATER REPAIR EPOXY*	82093	4 oz. stick	White	16 in. ^{2**}	300	12,000	900	70	15 minutes	30 minutes	N/A	N/A	CFIA
POURABLE	FIXMASTER® STEEL LIQUID*	97483 97484	1 lb. kit 4 lb. kit	Grey	13 in. ³ 52 in. ³	225	13,500	6,000	86	25 minutes	6 hours	4:1	9.5:1	ABS, CFIA, NEHC, NAVSEA
	FIXMASTER® ALUMINUM LIQUID*	97453	1 lb. kit	Aluminum	17 in. ³	200	17,000	6,000	85	20 minutes	6 hours	5:1	9:1	ABS, CFIA, NEHC, NAVSEA
TROWELABLE	FIXMASTER® SUPERIOR METAL*	97473 40900	1 lb. kit 4 kg kit	Dark Grey	0.25 ft. ^{2**} 2.2 ft. ^{2**}	250	18,000	5,500	90	20 minutes	6 hours	4:1	7.25:1	CFIA
	FIXMASTER® STEEL PUTTY*	99913 99914 99912	1 lb. kit 4 lb. kit 25 lb. kit	Grey	0.3 ft. ^{2**} 1.2 ft. ^{2**} 7.5 ft. ^{2**}	225	11,100	4,900	85	30 minutes	6 hours	2.5:1	6.25:1	ABS, CFIA, NEHC, NAVSEA
	FIXMASTER® ALUMINUM PUTTY*	97463	1 lb. kit	Aluminum	0.5 ft. ^{2**}	200	11,300	4,000	87	20 minutes	6 hours	4:1	6.3:1	ABS, CFIA, NEHC, NAVSEA
	FIXMASTER® STAINLESS STEEL PUTTY*	97443	1 lb. kit	Grey	0.25 ft. ^{2**}	225	12,000	4,600	85	20 minutes	6 hours	4:1	9:1	ABS, CFIA, NEHC, NAVSEA
	FIXMASTER® FAST SET STEEL PUTTY*	39917	1 lb. kit	Grey	0.4 ft. ^{2**}	200	10,800	4,600	80	3 minutes	10 minutes	1:1	1.8:1	ABS, CFIA, NEHC, NAVSEA

LOCTITE® PRODUCT		ITEM NUMBER	PACKAGE TYPE & SIZE	COLOR (CURED)	MAXIMUM TEMPERATURE† (°F)	TENSILE STRENGTH† (psi)	WORK LIFE	FIXTURE TIME‡	FULL CURE (HOURS)	AGENCY APPROVALS
HIGH PERFORMANCE	FIXMASTER® FAST SET STEEL EPOXY*	96604	50 ml cartridge	Grey	200	2,600	3 minutes	6 to 8 minutes	7	CFIA
	FIXMASTER® WEAR RESISTANT PUTTY*	98742 98743	1 lb. kit 3 lb. kit	Grey	225	1,450	30 minutes	1 hour	6	ABS, CFIA, NEHC, NAVSEA
SPECIALTY PRODUCTS	FIXMASTER® WET SURFACE REPAIR PUTTY*	96583	1 lb. kit	Grey	150	2,000	30 minutes	1 hour	18	ABS, NEHC, NAVSEA
	FIXMASTER® 2000° PUTTY*	95724	8 oz. can	Grey	2000	675	30 minutes	1 hour	7	N/A
	FAST CURE MIXER CUPS	21425 21426	10 – 0.12 fl. oz. cups 10 – 1 oz. cups	Grey	180	2,000	5 minutes	10 minutes	12	N/A
APPLICATORS	MANUAL CARTRIDGE APPLICATOR	98472	Required for use with Loctite® Fixmaster® 50 ml cartridges. (Item No. 98455 is also required and must be ordered separately.) For more information on spare parts, nozzles and accessories, please visit www.equipment.loctite.com .							
	STATIC MIX NOZZLES	98455	Packaged 10/bag – for mixing and dispensing Loctite® Fixmaster® 50 ml cartridges. For more information on spare parts, nozzles and accessories, please visit www.equipment.com .							

ITEMS IN RED = Source's PICK or NEW

* Properties are based on mixing 1 lb. mass at 77°F, seven days* cure.

** At 1/4 in. thickness.

† Ultimate cure.

‡ Time to reach handling strength.

§ Properties based on ultimate cure. Epoxy properties based on mixing 20 g mass at 77°F.

Loctite® Fixmaster® Maintenance & Repair Epoxy Applications Chart

LOCTITE® PRODUCT		EMERGENCY METAL REPAIRS	CORROSION PROTECTION	REPAIRING PIPES & TANKS	REBUILDING SHAFTS, KEYWAYS & BEARINGS	REPAIRING THREADED PARTS	RESTORING TUBE SHEETS	PUMP REPAIR	REPAIRING ENGINE BLOCKS	FIXTURES & PROTOTYPES	REBUILDING IMPELLERS & VALVES	REPAIRING ALUMINUM PARTS	REPAIRING STAINLESS STEEL PARTS	FORMING MOLDS & FIXTURES	WET SURFACE REPAIRS
EPOXY STICKS	FIXMASTER® METAL MAGIC STEEL™	▲		△						▲				▲	△
	FIXMASTER® CONCRETE REPAIR EPOXY	△								△					■
	FIXMASTER® UNDERWATER REPAIR EPOXY	△		△											▲
POURABLE	FIXMASTER® STEEL LIQUID			▲		▲				△				▲	
	FIXMASTER® ALUMINUM LIQUID									▲		▲	△	▲	
TROWELABLE	FIXMASTER® SUPERIOR METAL		▲		▲	▲	▲	▲	▲		▲				
	FIXMASTER® STEEL PUTTY			▲					▲		△			▲	
	FIXMASTER® ALUMINUM PUTTY		△								▲	▲	△		
	FIXMASTER® STAINLESS STEEL PUTTY		△								▲	△	▲		
	FIXMASTER® FAST SET STEEL PUTTY	▲		▲					△						

ITEMS IN RED = Source's PICK or NEW

△ Good Choice

▲ Preferred Choice

■ Acceptable Choice

Loctite® Fixmaster® Maintenance & Repair Epoxy Bonding Characteristics

LOCTITE® PRODUCT		GAP FILLING	FAST CURE TIME	FERROUS METAL REPAIR	TOUGHENED FORMULATION	SHOCK RESISTANT	WATER RESISTANT	PLASTIC BONDING	RUBBER BONDING	METAL BONDING	SANDABLE FINISH	PAINTABLE FINISH
HIGH PERFORMANCE	FIXMASTER® FAST SET STEEL EPOXY	△	▲	▲						△	▲	■
	FIXMASTER® WEAR RESISTANT PUTTY	▲			▲	▲	△					■
SPECIALTY PRODUCTS	FIXMASTER® WET SURFACE REPAIR PUTTY	▲					▲					■
	FIXMASTER® 2000° PUTTY	▲		▲							■	■

△ Good Choice

▲ Preferred Choice

■ Acceptable Choice