



CRACK MENDER 120™

POLYURETHANE CRACK REPAIR

DESCRIPTION

CRACK MENDER 120™ IS A FAST SETTING TWO-COMPONENT MODIFIED URETHANE. IT'S EXTREMELY LOW VISCOSITY ALLOWS FOR DEEP PENETRATION INTO CONCRETE AND THOROUGHLY WETS OUT THE SELECTED AGGREGATE TO FORM A HIGH-STRENGTH CONCRETE REPAIR. CRACK MENDER 120™ EXOTHERMS THROUGHOUT THE REPAIR PROCESS AND CAN BE GROUND SMOOTH IN APPROXIMATELY 15-20 MINUTES AT 72°F (22°C).

PRIMARY APPLICATIONS

- ✓ CONCRETE SLAB REPAIR
- ✓ COMBINE WITH AGGREGATE FOR PATCHING AND SPALLS
- ✓ COMBINE WITH AGGREGATE FOR REPAIRING JOINTS AND LARGE CRACKS IN CONCRETE
- ✓ CRACK MENDER 120™ CAN BE UTILIZED FOR HARILINE CRACKS, NAIL HOLES AND AS AN ANCHORING MORTAR

ADVANTAGES

- ✓ USGBC LEED, EQ CREDIT 4.3: LOW-EMITTING, VOC COMPLIANT MATERIALS
- ✓ EXCELLENT ABRASION RESISTANCE
- ✓ FEATHER EDGE REPAIRS
- ✓ HIGH IMPACT RESISTANCE
- ✓ LOW ODOR
- ✓ MEETS SCAQMD REQUIREMENTS
- ✓ MEETS USDA CRITERIA
- ✓ MINIMAL PREP/DOWN TIME
- ✓ NO SQUARE CUTTING REQUIRED FOR FEATHER EDGE REPAIRS
- ✓ QUICK SET TIME
- ✓ UV STABLE – WILL DARKEN WITH UV EXPOSURE, SUNLIGHT AND SOME TYPES OF LIGHTING BUT WILL NOT AFFECT PERFORMANCE



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TECHNICAL DATA

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PACKAGING				COLOR				
2 GALLON KIT		10 GAL KIT		-		CLEAR	TAN	CUSTOM COLORS
RECOMMENDED THICKNESS				AMBER		TAN		UPON REQUEST
WHEN MIXED WITH SAND			750 IN ³ PER GAL			SHELF LIFE		
MIX RATIO BY VOLUME				12 MONTHS IN ORIGINAL, UNOPENED, FACTORY SEALED CONTAINERS. KEEP AWAY FROM EXTREME COLD, HEAT OR MOISTURE. KEEP OUT OF DIRECT SUNLIGHT AND AWAY FROM FIRE HAZARDS. RECOMMENDED STORATE TEMPERATURE IS BETWEEN 40°F – 100°F (4°C – 38°C)				
1 PART A : 1 PART B								
POT LIFE		VOC (GRAMS/LITER) ASTM D-3960						
3 MIN @ 72°		5.5 G/L						
SOLIDS ASTM D-2697		RECOMMENDED THINNER						
100%		NONE						
SUBSTRATE TEMPERATURE				72° (22°C)				
RE-COAT TIME (MIN-MAX)				N/A		-	-	
CURING DETAILS		TACK FREE		10 MIN		-	-	
		LIGHT TRAFFIC		15 MIN		-	-	
		FULL CURE		15 MIN		-	-	
*NOTE: TIMES AND DATA MENTIONED ARE BASED ON LABORATORY CONDITIONS. FIELD RESULTS MAY VARY AND WILL BE AFFECTED BY CHANGING AMBIENT CONDITIONS, ESPECIALLY CHANGES IN TEMPERATURE AND RELATIVE HUMIDITY.								

PHYSICAL PROPERTIES

BOND STRENGTH ASTM 882-99		COMPRESSIVE STRENGTH (WITH SAND)	
1500 PSI		> 4250 PSI	
ELONGATION (%) ASTM S-412		HARDNESS SHORE D ASTM D-2240	
≤ 7%		74	
TENSILE STRENGTH (PSI) ASTM D-412			
> 4000 PSI			

SURFACE PREPARATION

FAILURES CAN BE ATTRIBUTED TO POOR PREPARATION. AREA MUST BE CLEAN, DRY, SOUND AND GIVE SUFFICIENT PROFILE TO OBTAIN ADEQUATE PRODUCT ADHESION. REMOVE FROM THE CONCRETE PORES; ALL DUST, DIRT, SALTS, EFFLORESCENCE, OIL, FORM RELEASE AGENTS, CURING COMPOUNDS AND OTHER FOREIGN MATTER PRIOR TO INSTALLATION.

RECOMMENDED SURFACE PREPARATION IS WITH A DRY DIAMOND WHEEL OR WIRE BRUSH.



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MIXING

MIX ENTIRE/FULL PACKAGE CONTAINERS. DO NOT MEASURE OR MIX PARTIAL CONTAINERS OF MULTI-COMPONENT MATERIALS. IT IS RECOMMENDED TO PRE-MIX BOTH A AND B COMPONENTS SEPARATE PRIOR TO MIXING THEM TOGETHER.

APPLICATION METHOD

COVERAGE RATES ARE APPROXIMATE AND VARY BASED ON TYPE OF SUBSTRATE, POROSITY AND ROUGHNESS.

DO NOT DILUTE UNDER ANY CIRCUMSTANCES.

KEEP REPAIR MATERIAL AT ROOM TEMPERATURE. MIX AT ONE TO ONE RATIO, PART A AND B.

POT LIFE IS APPROXIMATELY 3-4 MINUTES. WET OUT AREA COMPLETELY AND FILL WITH 30-40 GRIT KILN DRY SAND. ADD ADDITIONAL CRACK MENDER 120™ MATERIAL TO FILL IN REPAIR. MAKE CERTAIN THAT FILLER AGGREGATE IS SATURATED COMPLETELY. USE A HAND TROWEL TO FINISH THE SURFACE. WORK QUICKLY AND EFFICIENTLY. ONCE DRY, AREA MAY BE GROUND SMOOTH WITH A HAND-GRINDER OR OTHER MECHANICAL APPARATUS.

CLEANING

USE XYLENE OR MEK. DO NOT USE ALCOHOL.

ALL SPILLED MATERIAL, UNUSED CONTENTS, EMPTY CONTAINERS AND SECONDARY CONTAINMENT SPILLS/LEAKS MUST BE CLEANED UP AND DISPOSED OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

RESTRICTIONS

- ✓ CRACK MENDER 120™ SHOULD NOT BE USED WHERE CONCRETE IS SUBJECT TO STRUCTURAL OR GROUND MOVEMENT
- ✓ PRODUCT WILL DARKEN WITH UV EXPOSURE, SUNLIGHT AND SOME TYPES OF LIGHTING
- ✓ PERFORM AN ADHESION TEST PRIOR TO STARTING ANY CAULKING PROJECT
- ✓ THE END USER SHOULD CHECK THE SUITABILITY OF THIS PRODUCT AND THE SUBSTRATE PRIOR TO ITS APPLICATION
- ✓ DO NOT OPEN CONTAINERS UNTIL READY TO USE, KEEP CONTAINERS SEALED TIGHTLY
- ✓ SUBSTRATES THAT HAVE PREVIOUSLY BEEN COATED ARE SUBJECT TO ABSORPTION, WHICH MAY EFFECT ADHESION



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MAINTENANCE

RECOMMEND MAINTENANCE PROGRAM CONSIST ON FREQUENT AND THOROUGH CLEANING UTILIZING A NEUTRAL PH CLEANER (E.G. SIMPLE GREEN®). FREQUENCY OF WASHING WILL VARY DEPENDING ON FLOOR USAGE TYPE, TRAFFIC AND AGE.

HEALTH AND SAFETY

IN CASE OF SKIN CONTACT, WASH WITH WATER AND SOAP. IN CASE OF EYE CONTACT, IMMEDIATELY RINSE WITH WATER FOR AT LEAST 15 MINUTES. CONSULT WITH A DOCTOR. FOR RESPIRATORY PROBLEMS, TRANSPORT VICTIM TO FRESH AIR. REMOVE CONTAMINATED CLOTHES AND CLEAN BEFORE REUSE. COMPONENTS A AND B CONTAIN TOXIC INGREDIENTS. PROLONGED CONTACT OF THIS PRODUCT WITH THE SKIN IS SUSCEPTIBLE TO PROVOKE AN IRRITATION. AVOID EYE CONTACT. CONTACT MAY CAUSE SERIOUS BURNS. AVOID BREATHING VAPORS RELEASE FROM THIS PRODUCT. THIS PRODUCT IS A STRONG SENSITIZER. WEAR SAFETY GLASSES AND CHEMICAL RESISTANT GLOVES. A BREATHING APPARATUS FILTERING ORGANIC VAPORS APPROVED BY THE NIOSH/MSHA IS RECOMMENDED. PREDICT SUITABLE VENTILATION. CONSULT THE MATERIAL SAFETY DATA SHEET FOR FURTHER INFORMATION.

PROFESSIONAL USE ONLY

READ AND UNDERSTAND ALL THE INFORMATION CONTAINED IN THE PRODUCT INFORMATION BULLETIN'S, SDS'S AND PRODUCT LABELS PRIOR TO STARTING ANY PROJECT. NOTHING CONTAINED IN ANY OF MVP COATINGS™ CORPORATION'S MATERIALS RELIEVES THE END USER OF THE OBLIGATION TO READ AND FOLLOW THE WARNINGS AND INSTRUCTIONS FOR EACH OF MVP COATINGS CORPORATION'S PRODUCTS.

MVP COATINGS

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WARRANTY STATEMENT

MVP COATINGS, INC. WARRANTS OUR PRODUCTS TO BE FREE FROM MANUFACTURING DEFECTS AND DEFECTIVE RAW MATERIALS FOR A PERIOD OF 1 YEAR. LIABILITY FOR PRODUCTS PROVEN DEFECTIVE IS LIMITED TO REPLACEMENT OF THE DEFECTIVE PRODUCT.

NOT INCLUDED IN THE WARRANTY IS DAMAGE DUE TO STRUCTURAL DESIGN DEFICIENCIES INCLUDING BUT NOT LIMITED TO SLAB CRACKING, GOUGING OR OTHER DAMAGE DUE TO EQUIPMENT, DELAMINATION CAUSED BY VAPOR TRANSMISSION, OR OTHER ELEMENTS BEYOND THE SCOPE OF PROTECTION OF THIS SYSTEM.

THE INFORMATION AND RECOMMENDATIONS CONTAINED IN THIS DOCUMENT ARE BASED ON RELIABLE TEST RESULTS ACCORDING TO THE MANUFACTURER OF THE PRODUCT. THE DATA MENTIONED IS SPECIFIC TO THE MATERIAL INDICATED. IF USED IN COMBINATION WITH OTHER MATERIALS, THE RESULTS MAY BE DIFFERENT. IT IS THE RESPONSIBILITY OF THE USER TO VALIDATE THE INFORMATION THEREIN AND TO TEST THE PRODUCT BEFORE USING IT. MVP COATINGS, INC. ASSUMES NO LEGAL RESPONSIBILITY FOR THE RESULTS OBTAINED IN SUCH CASES. MVP COATINGS, INC. ASSUMES NO LEGAL RESPONSIBILITY FOR ANY DIRECT, INDIRECT, CONSEQUENTIAL, ECONOMIC OR ANY OTHER DAMAGES EXCEPT TO REPLACE THE PRODUCT OR REIMBURSEMENT OF THE PURCHASE PRICE, AS SET OUT IN THE PURCHASE CONTRACT.
