

ROADWARE 10 MINUTE CONCRETE MENDER™

PRODUCT DESCRIPTION

Roadware 10 Minute Concrete Mender™ is a high-penetration two-part structural polyurethane that combines with sand to form a tough instant polymer concrete. This nearly water thin formula is designed for Microdoweling™ deep into the host concrete creating extremely high bond strengths, reinforcement of the repair area as well as permanent repairs.

Roadware 10 Minute Concrete Mender™ produces polymer concrete repairs that absorb the shock and transfers the load of heavy traffic without cracking or dis-bonding. It is highly chemically resistant and can be applied in a wide range of temperatures. It is excellent for industrial floor repairs subject to forklift traffic and harsh conditions.

USES

- Repairing cracks, where future movement is not anticipated.
- Restoring integrity to distressed concrete.
- Repairing spalls and pop-outs in concrete.
- Securing bolts, equipment, or railings into concrete.
- Vertical repairs when combined with specified sand.
- Repairing concrete surface imperfections prior to coating.
- Repairing cracks and spalls prior to coating.
- Repairing polished concrete.
- Polishing pit grout.
- Freezer thresholds and floor repairs.

FEATURES

- Ultra low viscosity allows deep penetration into concrete.
- Can be cartridge applied or bucket mixed.
- When combined with manufactured sand, Concrete Mender™ will form a tough 4500 psi polymer concrete with similar properties to existing concrete that will stay pliable over time.
- Safe to use. Materials react quickly.
- Self-leveling or may be combined with sand and worked with a trowel. Stays workable longer than similar materials.
- Completely cures in 10 minutes after application at 70° F. Will also cure rapidly in subzero environments.

BENEFITS

- Long lasting repairs that accommodate harsh physical environments.
- Easy preparation, a wire brush is all that is needed in some cases.
- No downtime, repairs are fully ready for traffic in approximately 10 minutes from application.
- Almost no noticeable odor, can be used in a wide range of indoor areas.

LIMITATIONS

Roadware 10 Minute Concrete Mender™ is designed for use on interior or exterior concrete surfaces. It is not intended for repairing areas of movement such as exterior cracks and joints subject to regular freeze-thaw cycling. It must be applied to concrete free of surface moisture, dirt or contaminants.

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TECHNICAL INFORMATION

Colors	Grey, Natural Off-white Special order- Yellow, Red, or custom.
Compressive Strength, ASTM D695	4500 psi depending on sand load.
Tensile Strength, ASTM D638	4475
Bond Strength, ASTM 882-99	1984 psi
Elongation ASTM D638	6%
Hardness	70D
Surface Tension (Wilhelmy Plate)	0.026 N/m
Solids	98%
Viscosity	Approximately 8 cps
V.O.C. (Mixed)	5.5 g/l
Cure Time (Tac Free)	Approximately 10 minutes at 72° F (Gel 6-7 min.)
Packaging	80150 - 50 ml Cartridge 80300 - 600 ml Cartridge 80020 - 2-Gallon Kit 80050 - 10-Gallon Kit
Application Temperature Range	-25°F to 100°F See Tech Service for cold temperature application.

All data approximate.

PREPERATION

Concrete must be clean, dry and free of dirt and contaminates. Use mechanical methods to remove loose concrete and profile hard trowled surfaces. Use surface applied heat to remove ice or frost if present.

MIXING

Cartridge: Static mixing 600ml or 50ml twin cartridge.
Bulk: Mix at a 1:1 ratio in a bucket by hand for 30 seconds. Start with a one quart total batch. Add up to two quarts of 40-30 grit or larger dry manufactured sand or quartz and blend well.

APPLICATION

Cartridge: Apply a thin layer of material into the crack, joint or spall. Add 1/4" of manufactured sand or quartz. Apply additional material to saturate the sand. Work in layers filling the repair area to just above grade. Trowel as necessary.
Bulk: Apply mixed material directly to the repair area. Screed off excess and allow to cure.

CURING AND FINISHING

Cure time is 20-30 minutes at 70°F. Repairs can be ground smooth, polished or coated after one hour.

SAFETY

See SDS sheets and product instructions.



Roadware Incorporated
381 Bridgepoint Way
South Saint Paul, MN 55075
800-522-7623
www.roadware.us



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