

MatchCrete™

Decorative and Polished Concrete Repair System.

Roadware MatchCrete™ Concrete Mender

Product Description:

Roadware MatchCrete™ Concrete Mender is a two-part polyurethane with the exact same physical properties as Roadware 10 Minute Concrete Mender™ with the exception that it cures to a neutral off-white color. This allows the material to easily accept colors and dyes in the field or may be used “as is” to match a wider range of concrete shades and colors.

Position Statement:

Roadware MatchCrete™ Concrete Mender is used to quickly repair cracks and spalls in concrete. MatchCrete™ combines exclusive Microdoweling™ technology for a permanent structural repair and user-added colors for a repair that looks great.

Cures in 10 – 15 minutes.

Permanent Microdoweling™ technology.

User may add color to match existing concrete.

May be blended with a wide variety of dry sand for matching color and appearance.

May be honed and polished in about 15 minutes at 70°F.

Will accept concrete dyes after honing.

Will accept Roadware colors added directly to cartridges or dry powdered concrete colors added to the sand.



Roadware MatchCrete Concrete Mender™ with sand on the left and with sand and Solomon brand color on the right.

Availability:

Roadware MatchCrete™ Concrete Mender is available in:

- 70300 300x300 cartridge
- 70020 two gallon bulk kit
- 70040 four gallon bulk kit
- 70050 10 gallon bulk kit



Basic Application:

1. Meet with the floor owner to determine the ultimate floor repair goal and desired outcome. In some situations, it may be better to repair cracks and defects as they are. In other situations, it may be better to open them up with a diamond blade. While no repair material can make cracks and defects disappear, with MatchCrete™ Concrete Mender you can make these areas much less noticeable.
2. Prepare floor cracks, joints, spalls, and pop-outs in accordance to standard application instructions. Deep repairs in heavy traffic areas should be repaired up to 1/2 inch (7mm) from the surface using standard Concrete Mender™ repair techniques.
3. Sand selection: By altering the sand used with MatchCrete™ Concrete Mender, different color results can be achieved. Some experimentation may be required to get the desired result. Start with a dry concrete sand such as Quickcrete brand All Purpose Sand. Sift out any rock larger than the area you are repairing. Other types of sands such as silica sand, colored quartz, and flint may be used. Choose the best combination to match your floor. Any type of sand you use should be hard, free of dirt and organic material, and completely dry.
4. Color: MatchCrete™ Concrete Mender will cure to a neutral off-white (70300) color or gray (80300). Small amounts of powdered concrete colors such as Solomon Colors may be mixed in with the sand as needed. Experimentation to determine the best sand and color combination will be required to get the desired effect.

5. Mixing: Combine mixed MatchCrete™ Concrete Mender from a dual cartridge, with the sand in a pail to form an approximate one part liquid to one part sand ratio. Mix quickly by hand with a paint stick. Work in batches of one pint (500ml) or less until you are comfortable with the material. The sand to liquid ratio can be varied depending on the type of sand used and the gradation. Finer sands will require more liquid. The resulting polymer mortar should have very little slump and a wet appearance.

6. Quickly apply the material directly to the prepared repair areas. Use a margin trowel to finish the repairs. Leave the repairs slightly higher than grade. The excess material will be honed off later.

7. Allow the repairs to fully cure for 15 - 30 minutes depending on the temperature and the size of the repair before honing or polishing.

8. Dying and staining: Concrete Mender™ when combined with sand will accept most dyes and stains. Be sure to open the surface of the repair by mechanical means before applying dyes or stains. This can be done by honing or polishing. Always experiment in an inconspicuous area first to get desirable finish.

9. Repairing previously honed or polished floors: Select an appropriate sand combination and make the repairs as stated above. Use care not to stain the surrounding concrete with repair materials. Finish as normal.

Frequently Asked Questions

1. Will MatchCrete™ Concrete Mender change color in direct sunlight over time?
 - MatchCrete™ Concrete Mender will yellow under direct sunlight. This effect will be minimized when using powdered colors added to the sand. The darker the color added the less yellowing will be noticeable. For non-yellowing outdoor repairs, see MatchCrete™ Flexible (available soon).
2. Can I repair hairline cracks with the needle tip mixers and still add color?
 - Yes, by adding a few drops of Roadware Dye Color to the clear side of the MatchCrete™ cartridge, you can create colors directly in the cartridge.
3. What kind of color can I add?
 - Roadware Dye Colors will be available in spring 2009. These liquid colors are dispensed from an eye dropper type bottle directly into the neck of the clear sided "B" cartridge of MatchCrete™ or the, "B" side of MatchCrete™ bulk material. Powdered colors such as a Solomon brand concrete colors must be mixed in with the sand prior to adding the MatchCrete™ Concrete Mender.
4. Can I add concrete dust to MatchCrete™?
 - You can add a limited amount of concrete dust from your project to MatchCrete™ when mixed in bulk. It is best to experiment and test before use.
5. Can I mix and match colors?
 - Absolutely! Mixing and matching colors and sand to get just the color and texture you want is what MatchCrete™ is all about.
6. Can I add too much color?
 - Yes, use just enough color needed for the job. Adding too much dye, or too much powdered color to the sand can hurt the performance of the repair.

Note: FOR PROFESSIONAL USE ONLY. The techniques and procedures listed above are for informational use and are based on standard techniques developed by Roadware customers, distributors and contractors. They should not be construed as a specification for any specific application or use. It is up to the professional applicator to determine the ultimate appropriate use of the material.



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