

Application

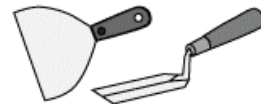
ROADWARE 10 Minute Concrete Mender

Tools Required for Application

Roadware 5300 Application Tool. For easy dispensing of Roadware 300 x 300ml cartridges.



4" Taping knife or margin trowel for applying material and sand



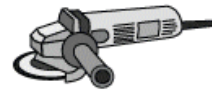
Sharp scrapper for shaving off cured material and sanding block for smoothing and blending repairs.



Wire brush for cleaning cracks and spalls.



4" grinder with a diamond blade or twisted wire wheel for cleaning cracks and spalls.



Shop vacuum for cleaning out dust and debris from crack and spalls.



30 - 40 grit manufactured silica sand. Used for extending the repair material in cracks and spalls. **DO NOT USE PLAY SAND, CONCRETE SAND, BEACH SAND OR ANY SAND THAT MAY CONTAIN EXCESS MOISTURE. FOLLOW MANUFACTURERS SAFETY GUIDELINES WHEN WORKING WITH SILICA SAND.**



Gloves



Safety Glasses



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Cartridge Assembly

Each cartridge comes standard with a static mixer, flow controller, retaining nut, D-plugs, and protective overcap.

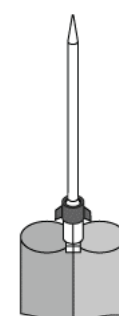
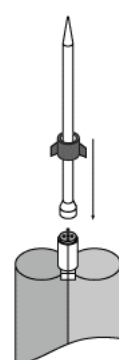
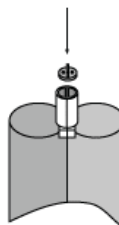
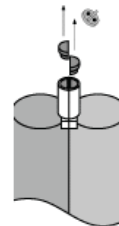
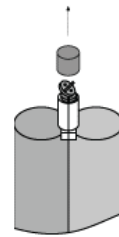
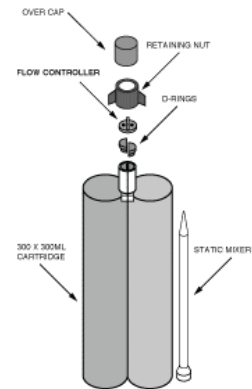
Step 1: Remove the protective overcap. FLOW CONTROLLER is stowed under the overcap.

Step 2: Remove black D-plugs and save.

Step 3: Place the FLOW CONTROLLER on top of the cartridge. Be careful to align the holes in the flow controller with the material openings.

Step 4: Seat the static mixer over the FLOW CONTROLLER and secure with black retaining nut.

Step 5: Tighten firmly with hands. KEEP CARTRIDGE UPRIGHT UNTIL USE.



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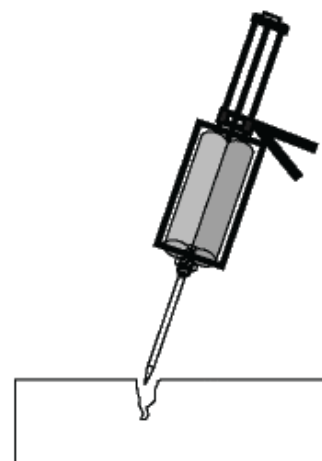
Cartridge Start-up Procedure

Hold cartridge upward and load into gun. Bleed off any air inside the cartridge by slightly squeezing handle and rocking the cartridge from side to side as needed to force the air bubble out through the mixer.

Immediately point mixer into a waste container and dispense a small amount to start the material mixing.

CAUTION: DO NOT POINT MIXER UPWARD AFTER MATERIAL IS FLOWING! This may cause Back-flo and clogging.

Apply material immediately. with study full strokes of the gun

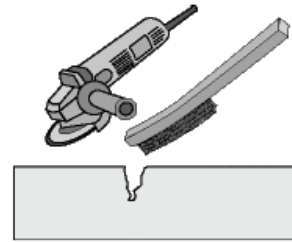


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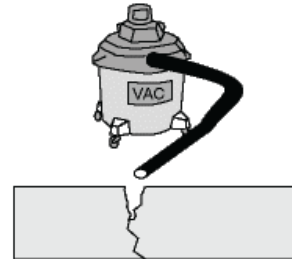
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Crack or Spall Repair Procedure

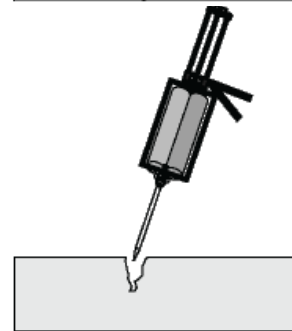
Clean repair area. Remove all dirt, oils, and loose debris.



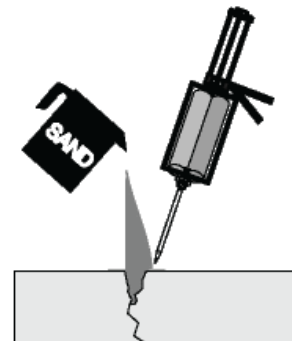
Remove any dust with a vacuum or compressed air.



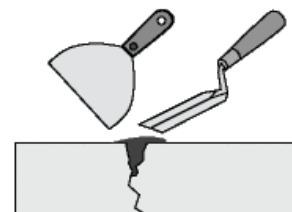
Fully pre-wet sides and bottom of crack or spall with 10 Minute Concrete Mender™.



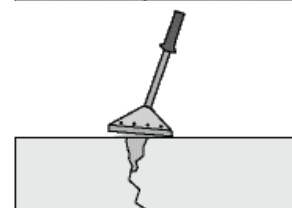
Immediately add up to 1/2" of silica sand and more 10 Minute Concrete Mender™. Work in 1/2" lifts. Add enough material to slightly overfill the repair. Use enough liquid to COMPLETELY SATURATE THE SAND.



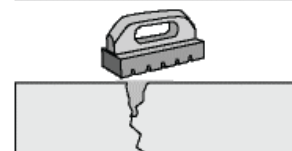
Use a margin trowel or taping knife to smooth and shape the sand and material mortar.



When material cures (turns light gray in color), scrape off over banding with a sharp scraper.



Finished repair is open for all traffic. Any staining due to over banding will quickly wear off or can be removed with a light sanding.

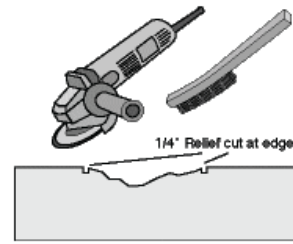


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Spall Repair

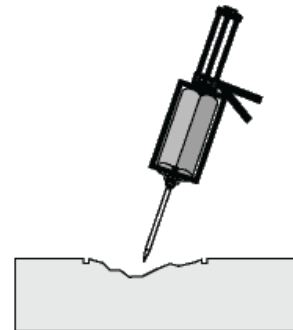
Clean repair area. Remove all dirt, oils, and loose debris. Make a 1/4" relief cut with grinder.



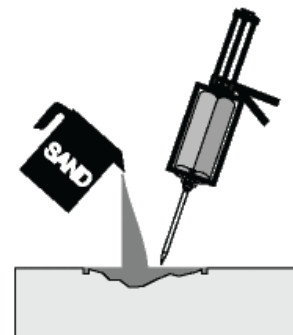
Remove any dust with a vacuum or compressed air.



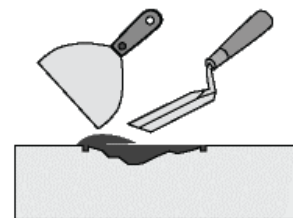
Pre-wet entire spall with 10 Minute Concrete Mender™.



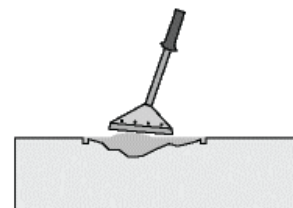
Immediately add 1/2" of silica sand and completely saturate with 10 Minute Concrete Mender™. Continue in 1/2" lifts. Make certain all of the sand is saturated.



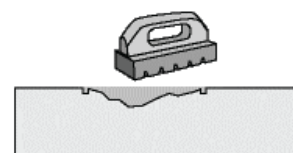
Use a margin trowel or tapping knife to smooth and shape the sand and material mortar.



When material cures (turns light gray in color), scrape off high spots with a sharp scraper. Smooth and finish with a rubbing stone.



Finished repair is open for all traffic. Any staining due to over banding will quickly wear off or can be removed with a light sanding.

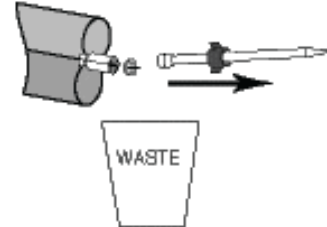


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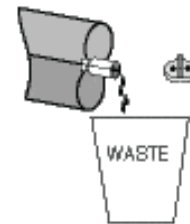
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Recapping Partial Cartridges

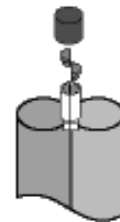
Hold cartridge sideways over a waste container and remove retaining nut, mixer, and Flow Controller.



Bleed off a few drops of material to clear out any cured product. Clean Flow Controller and save for future use or replace.



Hold cartridge upright and place D-rings into the top ports. Place overcap on cartridge.



Store upright in a cool, dry place. Material will remain usable for a varying amount of time depending on the moisture level of the storage. Signs of moisture contamination are heavy caking and crystallization of the A-side material at the D-rings and the rear seals.

To reuse cartridge, follow normal start-up procedures.