

CANZAC® ROADWARE FLEXIBLE CEMENT II

Application Chart
For Professional Use Only
READ ALL DIRECTIONS CAREFULLY BEFORE USE!

Tools Recommended:



Roadware Sylcat 100. For easy dispensing of Roadware 300x300ml cartridges.



Dry, clean aggregate, 12 – 25mm in size with no fines or dust.



100mm taping knife for smoothing repairs and a sharp scraper for shaving off cured material.



Gloves



Wire brush for cleaning cracks and spalls.



Safety Glasses



Grinder with diamond blade or twisted wire wheel for cleaning joints, cracks and spalls.



(OPTIONAL) 20-40 grit manufactured coloured sand. Used for topping crack and spall repairs.



Shop vacuum for cleaning out dust and debris from joints, cracks and spalls.

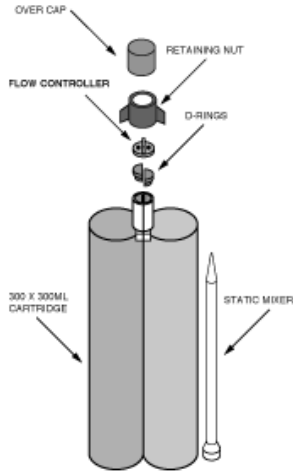
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Cartridge Assembly:

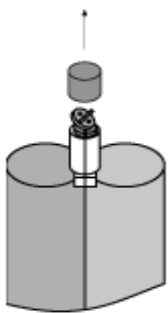
Some components of this material may have settled in shipping and storage. This natural occurrence may cause colour striations. These striations will not effect the performance of the repair and are cosmetic only.

To reduce striations, re-blend material. Invert the cartridges at 2 minute intervals, several times before use.



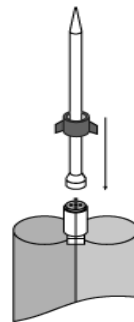
Each cartridge comes with a static mixer, flow controller, retaining nut, D-plugs and protective overcap.

1.



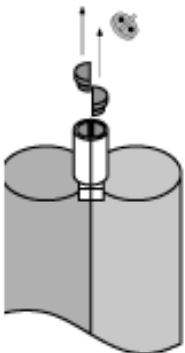
Remove black retaining nut.

3.



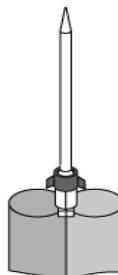
Place static mixer over the cartridge and secure with black retaining nut.

2.



Remove black D-ring and save.

4.



Tighten firmly with hands.

**KEEP CARTRIDGE UPRIGHT
UNTIL USE.**

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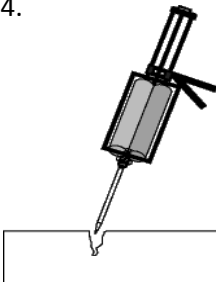
Cartridge Start-Up Procedure

Note: it is extremely important to purge all air pockets from the cartridge before use to insure good mixing.

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

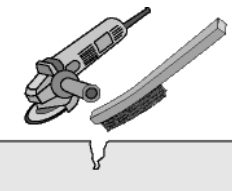
3.  **CAUTION: DO NOT POINT MIXER UPWARDS AFTER MATERIAL IS FLOWING!**
This may cause back-flow and clogging.

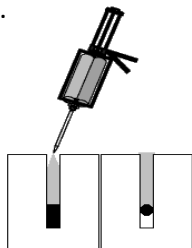
2.  Immediately point mixer into a waste container and apply a small amount to start the material mixing and to purge the mixer of off ratio material.

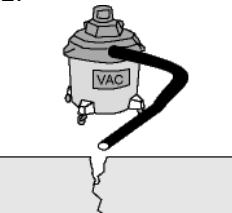
4.  Apply material immediately, with a gentle trigger motion.

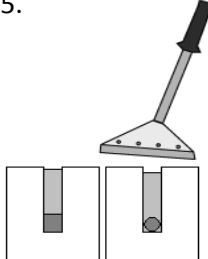
Control Joint, New Construction

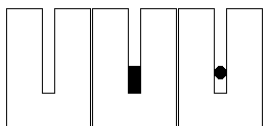
Goal: to protect the joint from deterioration due to heavy traffic and to allow for stress relief and controlled cracking. Concrete must be fully cured with time allowed for maximum shrinkage for best results.

1.  Clean the control joint with a powdered wire grinder or re-saw with a dry concrete blade to mechanically remove all laitance, dirt and debris.

4.  Carefully apply material with a gentle pumping action. Slightly overfill the joint.

2.  Carefully vacuum the joint to remove concrete dust. It may be necessary to wipe the joint with an alcohol moistened lint free cloth to Remove dust.

5.  After material is fully cured, (in about 10-20 minutes), slice off over banding with a razor sharp scraper.

3.  For maximum protection, apply material at full depth. A minimum depth of 25mm is required. Closed cell backer rod or silica sand may be used to stop material from flowing into the substrate. See control joint depth chart for details.

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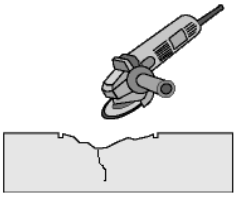
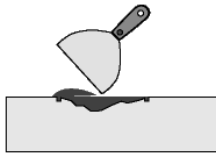
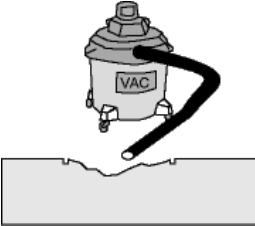
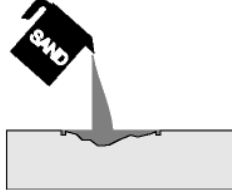
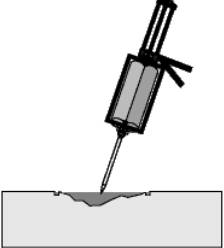
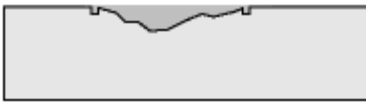
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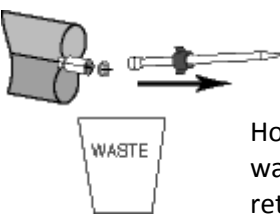
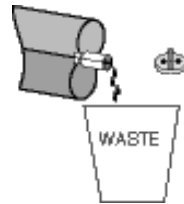
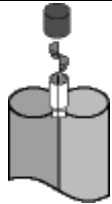
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Spall Repair, Crack Repair

<p>1.</p>  <p>Clean repair area with a wire wheel or needle scaler. Remove all dirt, oils and loose debris.</p>	<p>4.</p>  <p>Repairs may be worked with a scraper immediately after application. Sand may be added to thicken material & work on graded surfaces.</p>
<p>2.</p>  <p>Remove any dust with a vacuum or compressor air.</p>	<p>5.</p>  <p>OPTIONAL: Just before material sets, add an even light coat of coloured sand to the top of the repair. The sand will create a non-skid surface and will allow the repair to blend in with existing concrete. The colour of the sand will determine the colour of the repair. Standard silica sand is not recommended due to its lack of colour opacity.</p>
<p>3.</p>  <p>Flood repair with Roadware Flexible Cement II. Clean, dry aggregate may be added to spalls greater than 25mm deep.</p>	<p>6.</p>  <p>Finished repair is open for all traffic in 10-20mins after application. Any staining due to over banding will quickly wear off or can be removed with a light sanding.</p>

Recapping Partially Used Tubes

<p>1.</p>  <p>Hold cartridge sideways over a waste container and remove retaining nut and mixer.</p>	<p>2.</p>  <p>Bleed off a few drops of material to clear out any cured product.</p>
<p>3.</p>  <p>Hold cartridge upright and place D rings into the top ports. Screw down the retainer nut firmly.</p>	<p>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 area. Signs of moisture contamination are heavy caking and crystallization of the A-side material at the D-rings and the near seals.</p> <p>To use cartridge again, follow normal start-up procedures.</p>

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Clean Up

Wipe tool cleans with rag before material cures. Cured material may be removed by abrading with a wire brush or soaking in acetone, xylene, MEK or epoxy thinner. **Use extreme care when working with industrial solvents!**

Flexible Cement II is very aggressive and will stain exposed skin. Gloves should be worn to keep material from contacting skin. In the event of skin contact, remove immediately with an industrial paint & stain remover.

Action For Spills & Leaks

Properly protected personnel should contain spill. Ventilate area, cover spill with sawdust or other absorbent material. Scoop and place in open container and treat with decontamination solution, (93% water, 5% ammonia, 2% detergent). Leave open in a ventilated area for 24 hours.

Disposal Method

Bury or landfill decontaminated waste in accordance with Federal, State and local environmental control regulations.

Disposal Methods

Empty cartridges may be disposed of with normal waste disposal methods in accordance with Federal, State and local environmental control regulations.

Unused material is best disposed of by mixing equal parts of side 'A' and side 'B' and allowed to cure in a waste container. Cured material may then be disposed

Trouble Shooting

Every reasonable effort is made to insure every cartridge of Roadware Flexible Cement II is easy to use and trouble free. Below is a list of possible problems, their causes and suggested solutions. For more information or any questions please contact CANZAC on 0800 422 692.

Problem: Material does not cure.

Cause: Material was not mixed properly.

Solution: Check for any blockage of cartridge openings.

Problem: Material is slow to cure.

Cause: This material will set in approx 10 minutes at 22C. Cooler concrete & sand temperatures will increase cure time.

Problem: Cartridge is hard to pump or surges off ratio.

Possible Cause: Rear plunger is sticking. Slight leakage (mostly found in partially used cartridges) has caused the 'A' (light coloured) material to crystallize on the plunger causing sticking and surging.

Solution: Carefully rim the skirt of the plunger seal with a small, flat screwdriver.

Possible Cause: Material has cured inside the static mixer.

Solutions: Replace static mixer.

Problem: Cured material shows intensive marbling and striations, or black spots.

Possible Cause: Inadequate mixing.

Solution: Follow start up procedures carefully. Make sure all air pockets are bled off before application. Use medium even strokes when applying material. of with normal methods.

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