

DUCTILCRETE

# CRACK REPAIR PROCEDURE - Min width 0.016in

Recommended for Cracks with a Minimum width of 1/64" (0.016 or .40 mm)

## TOOLS

1. 4" Right Angle Grinder.
2. Diamond V Blade (3/8" wide).
3. Norton Blue Strip Disc (No substitutes).
4. 100# Flapper Wheel
5. Vacuum with small nozzle.
6. Small Compressor with needle tip nozzle.
7. Scraper & Razor Knife
8. Hammer Drill with;
  - 1/4" X 6" L bit - used to drill pilot holes along the crack.
  - 5/16" x 4" L bit - used to re-drill the 1/4" holes.



## MATERIALS

1. Rapid Refloor

Note: For best color match to existing floors obtain a color sample kit from Metzger & McGuire. Sand the face of the color sample prior to use, the color will lighten from the sanding process.

2. Other low viscosity rigid epoxy/urethane.



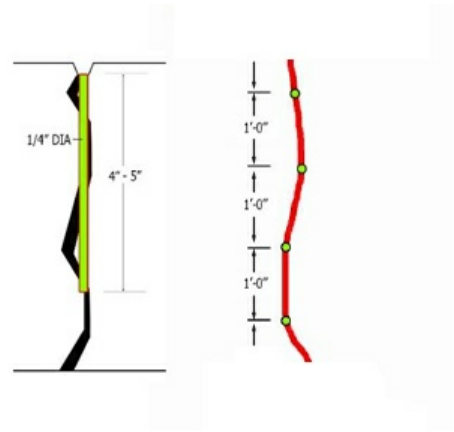
## CRACK REPAIR PROCEDURES

1. Chase the crack a maximum of 3/8" wide using the "V" Blade



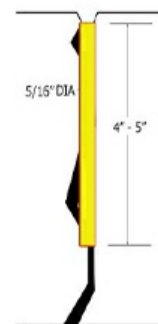
2. Using a 1/4" diameter bit, drill 5" deep Pilot Holes @ 12" O.C.

- The drill bit should not touch the top edges of the "V" or chipping will occur.



3. Using a 5/16" diameter drill bit, Re-Drill all 1/4" holes 4" - 5" deep.

- If the drill bit is chipping the edge of the "V", slightly widen the "V" to provide additional clearance.

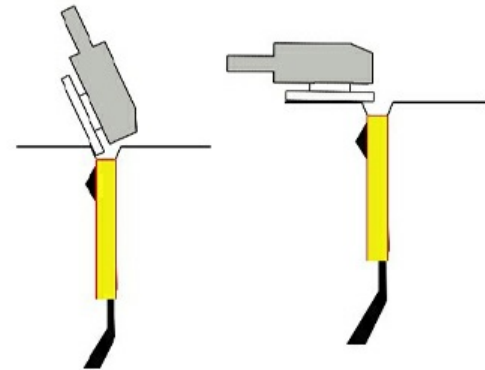


4. Using a blade and or small chisel, clean the crack and remove any unsound concrete.



5. Using the 100# flapper wheel lightly sand down the face and edge of the "V" removing exposed fiber and creating a sharp edge (corner).

- Do not round off the corner.



6. Vacuum then blow out the repair.

7. Inject 4 pumps (handle squeezes) of Rapid Refloor into the injection ports (drilled holes).

- Allow the Rapid Refloor to begin to gel in the bottom of the crack approximately 5 – 10 minutes.
- Continue injecting through the ports until the Rapid Refloor is within 1" – 2" inches from the top of the floor.



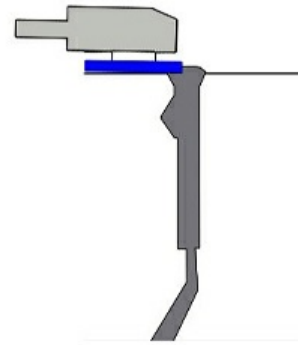
8. Remove any hardened Rapid Refloor from the face of the “V” using the 80# flapper wheel prior to installing the top layer of Rapid Refloor.

9. Fill completely leaving it slightly high.

12. Sand down the Rapid Refloor using a blue Norton Strip Disc.

Note: The Norton Strip Disk will sand down the Rapid Refloor without burning up the edges.

14. Install a light application of the densifier that was used on the existing floor. Back drag using a micro-fiber mop to remove excess.



## COMPLETED REPAIR



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