METZGER/McGUIRE

RECOMMENDED REPAIR PROCEDURE

RANDOM CRACKS (1/16" Wide or Greater)

REPAIR MATERIAL

Semi-Rigid Epoxy or Polyurea Joint Filler

MM-80

Spal-Pro 2000

Spal-Pro RS-88

Freezer/Cooler

Spal-Pro 2000 or RSF

TOOLS & EQUIPMENT NEEDED

Preferred:

- Right angle grinder w/dustless shroud
- Crack chasing saw
- Diamond blades- "U" or "V" shaped
- Vacuum system
- Razor scraper / torch

Minimal:

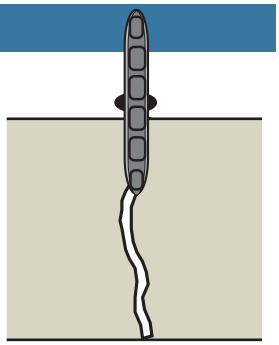
- Right angle grinder
- Diamond blades- "U" or "V" shaped
- Shop vac
- Razor scraper / torch

DIFFICULTY 5 4 3 2 1

STEP 1

Use a right angle grinder with with a diamond square cut or "V" blade to rout out crack to a nominal depth of 1/2" minimum, 3/4" preferred.

Be sure that remaining concrete along edge is structurally sound.

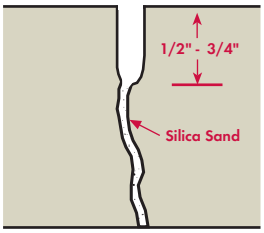


STEP 2

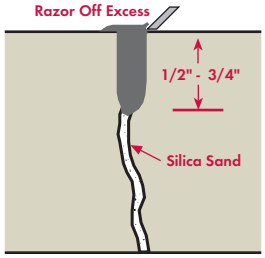
Clean out any remaining debris or loose elements.

Vacuum or blow clear with compressed air.

Choke off base with silica sand. (If necessary due to excessive material seepage).



STEP 3



Apply joint filler and allow it to seep into the crack. Reapply until seepage stops, if necessary, and seal off crack with silica sand if seepage continues. Allow to cure. Razor off excess.

(If using MM-80, apply heat prior to shaving).

Ex. Prepared (Chased) Crack

Ex. Crack Filled and Shaved

RANDOM CRACKS (Less than 1/16" Width)

REPAIR MATERIAL

Liquid Structural Epoxy

Armor-Hard

Freezer/Cooler

Low Viscosity Structural Polyurea

TOOLS & EQUIPMENT NEEDED

Preferred:

- Right angle grinder w/wire wheel
- Vacuum/compressed air
- Paint Brush

Minimal:

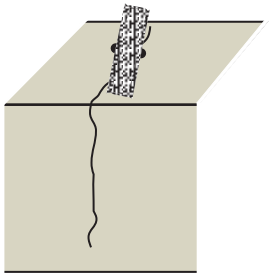
- Wire Brush
- Vacuum/compressed air
- Paint Brush

DIFFICULTY 5 4 3 2 1

STEP 1

If a crack has no "islands," no chipping, and is less than credit card thickness, we recommend that it ***not*** be saw cut open.

Clean crack out using right angle grinder with wire brush then vacuum/blow out with air.



STEP 2

After crack is clean, brush-apply a protective coating of our ARMOR-HARD liquid structural epoxy on top of the crack to provide a protective structural surface over material and prevent further chipping.