

JOINT SPALLING, MAJOR - Greater than 1"



REPAIR MATERIAL

Rigid Epoxy Mortar
Armor-Hard
Armor-Hard Extreme

Semi-Rigid Epoxy or Polyurea Joint Filler

Spal-Pro 2000 or MM-80

Freezer/Cooler

Spal-Pro 2000, AH Extreme

TOOLS & EQUIPMENT NEEDED

Preferred:

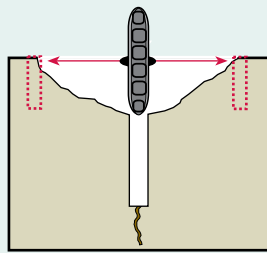
Right angle grinder with dustless shroud, Joint clean-out saw, Diamond blades, Vacuum system, Razor scraper / torch, Pneumatic chipper

Minimal:

Right angle grinder, Braided wire wheel, Shop vacuum, Razor scraper / torch, hammer / chisel

STEP 1

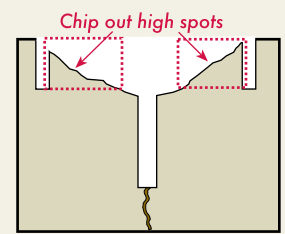
Create a vertical edge behind the spalled edges on both sides using a joint clean out saw or right angle grinder with diamond blade. The depth of these cuts should be 1/2" minimum (3/4" preferable).



STEP 2

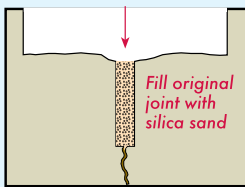
Chip out any concrete which remains above the elevation of the saw cuts using pneumatic chipper or hammer and chisel.

This new channel does not have to be completely flat but should be as close as possible.



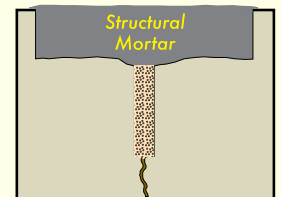
Step 3

Vacuum new joint channel clean. Backfill original joint opening with silica sand up to the base of the newly formed channel.

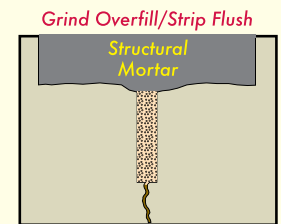


Step 4

Trowel **Armor-Hard** mortar smooth and only slightly higher than edges of the slab panels.

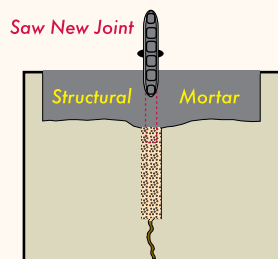


Allow mortar to cure and grind off overfill until repair surface and edges are flush with both slab panels.



STEP 5

Using joint cleaning saw and diamond blade, cut a new joint **through** structural repair mortar to ensure depth of cut exceeds depth of mortar.



STEP 6

Overfill newly formed joint with semi-rigid epoxy or polyurea joint filler and allow to cure. Razor off excess filler flush with repair mortar.

