

SURFACE SPALLS/DEFECTS

Less than 6" Unmodified

Difficulty Of Repair



REPAIR MATERIAL OPTIONS

Low Viscosity Structural Repair Polymer (Neat)
Rapid Refloor (I, D)
Rapid Refloor XP (D)
SRG (D)

Freezer/Cooler
Rapid Refloor (I, D)

TOOLS & EQUIPMENT NEEDED

Preferred:

Drill with Nyalox or soft wire wheel, Chipping hammer/hammer & chisel, Medium grit grinding pad, Vacuum

Minimal:

Wire brush, Vacuum, Medium grit grinding pad

Note: These repairs do not need to be "squared up" (such as structural epoxy/mortar repair) These products are designed to adhere in a "feathered edge" scenario.



(I) = Industrial (D) = Decorative

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REPAIR MATERIAL OPTIONS

Low Viscosity Structural

Repair Polymer

Rapid Refloor (I, D)

Rapid Refloor Pit Grout (I, D)

Rapid Refloor XP (D)

SRG (D)

TOOLS & EQUIPMENT NEEDED

Preferred:

Drill with Nyalox or soft wire wheel, Chipping hammer/hammer & chisel, Vacuum, Diamond cup wheel or similar

Minimal:

Wire brush, Hammer & Chisel, Vacuum, Diamond cup wheel or similar

Note: Polymer modification will depend highly on which product is chosen. Polymers with very rapid initial set times (Rapid Refloor & Rapid Refloor Pit Grout, 1-1^{1/2} minutes) may allow a quick sprinkling/mixing of dry sand/aggregate. Polymers with a slower initial set time (Rapid Refloor XP & SRG, 3-5 minutes) allow for a more customized blend to be added.



Step 1

Remove any unsound or loose concrete. Run drill with Nyalox or soft wire wheel over defects twice (in opposite directions). If bolt is present pound/cut down to allow 1/2" material cover.



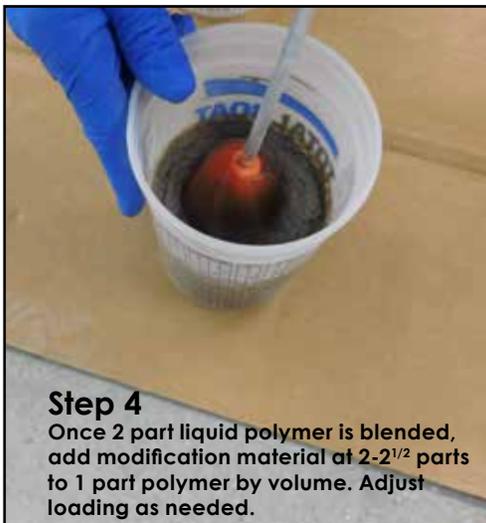
Step 2

Clean out any remaining debris or loose elements. Vacuum thoroughly. Repair surface must be dry.



Step 3

If a dry mix is preferred, pre-prime repair with mixed polymer liquid.



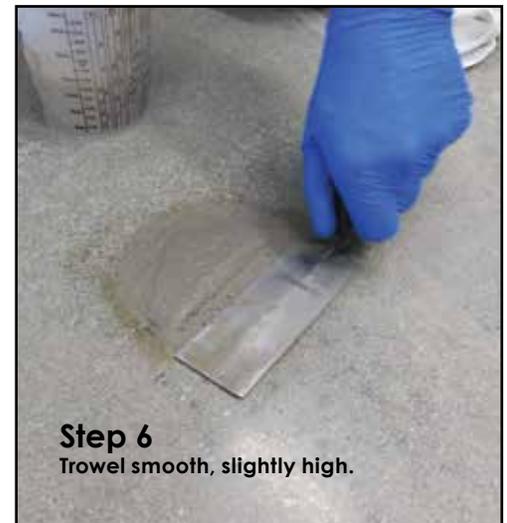
Step 4

Once 2 part liquid polymer is blended, add modification material at 2-2^{1/2} parts to 1 part polymer by volume. Adjust loading as needed.



Step 5

Slightly overfill area with repair material.



Step 6

Trowel smooth, slightly high.

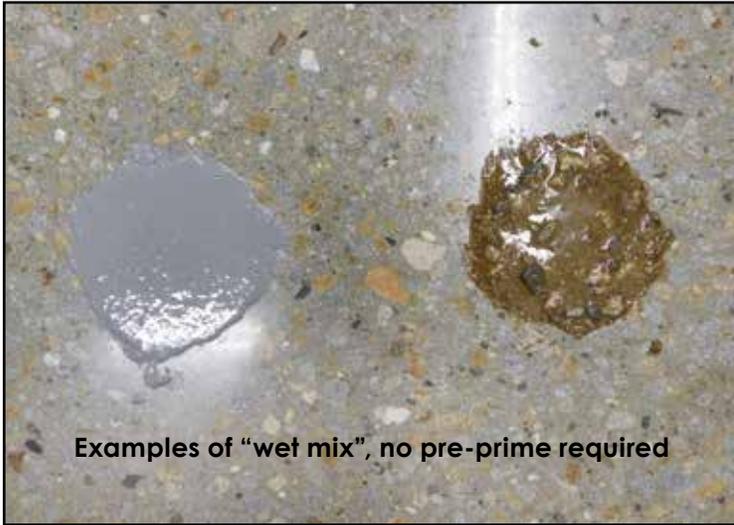
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Examples of "wet mix", no pre-prime required



Step 7

Remove overfill to create smooth, flush surface by grinding flush with cup wheel or similar.



If 'pin holes' are present at surface, a "grout coat" may be desired.



Step 8 (Optional)

Grout surface area with color matching Rapid Refloor Pit Grout or SRG - remove grout coat film upon cure, and continue with finishing steps.



Unmodified

Modified



Examples of 3 different polymer colors used with the same sand blend.

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