

# 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.



### 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

Slightly overfill defect with repair polymer material and allow to cure.



### Step 4

Grind off overfill flush to floor surface with Norton Rapid strip pad or similar medium grit grinding pad.



(I) = Industrial (D) = Decorative

# SURFACE SPALLS/DEFECTS

## Less than 6" Modified



Difficulty Of Repair



### 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<sup>1/2</sup> 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.



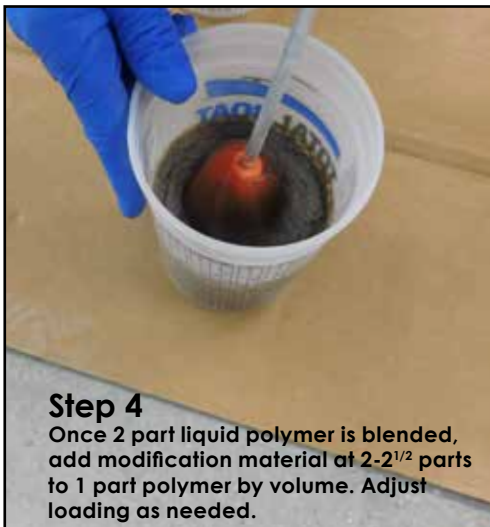
### Step 2

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<sup>1/2</sup> 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.

(I) = Industrial (D) = Decorative

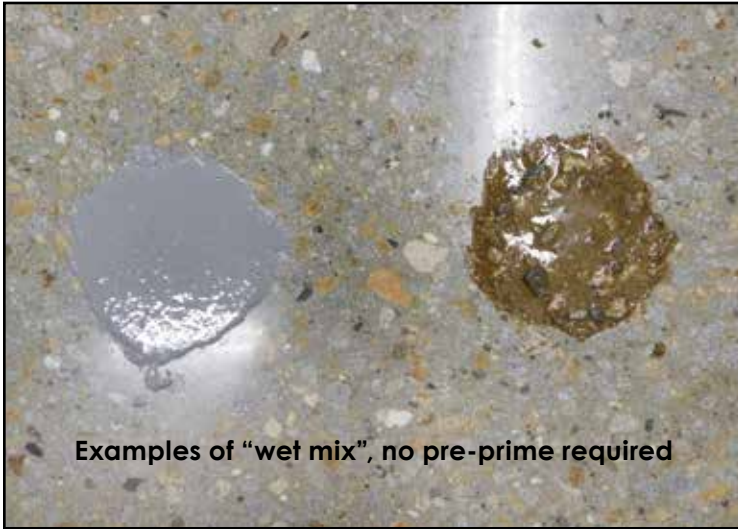


# SURFACE SPALLS/DEFECTS

## Less than 6" Modified



Difficulty Of Repair



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.



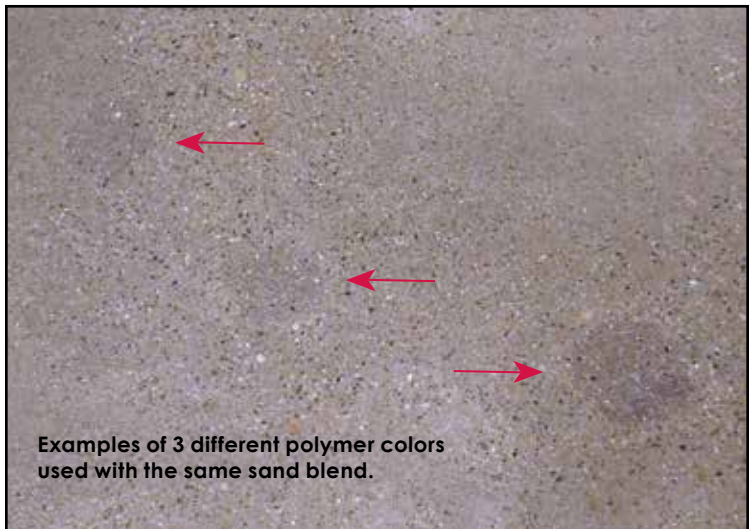
### Step 8 (Optional)

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.

(I) = Industrial (D) = Decorative