



# INSTAPATCH®

## ULTRA RAPID CURING CONCRETE REPAIR

### DESCRIPTION AND USES

InstaPatch® Ultra-Rapid Curing Concrete Repair patches and repairs damaged concrete floors in just minutes, significantly reducing downtime. This two component, low odor, 100% solids polyurea repair material is the ideal solution for occupied spaces where minimal disruption is required.

### PRODUCT FEATURES

- Ultra-rapid return to service time - fully cured in 15 minutes
- Easy to use 1: 1 mix ratio
- Can be poured or trowel applied
- Low temperature application - down to -5°F
- VOC compliant nationwide

### PRODUCTS

SKU	DESCRIPTION (Kit)
276981	Gray (1 gallon kit)
284595	Tile Red (1 gallon kit)
378352	Gray (10-gallon kit)

**PACKAGING:** 1 gallon kit containing both components Part A and Part B components are packaged in ½ gallon plastic containers. Kit yields one full gallon.

10-gallon kit contains 5-gallon Part A and 5-gallon Part B. Kit yields 10 gallons.

### PRODUCT APPLICATION

#### READ ALL INSTRUCTIONS CAREFULLY BEFORE STARTING PROJECT

#### SURFACE PREPARATION

New concrete must cure 30 days at 70°F (21°C) before repairs are made. Remove all dirt, grease, oil, salt, or other contaminants by washing surface with Krud Kutter® Original Cleaner Degreaser, commercial detergent or other suitable cleaner. Rinse thoroughly with fresh, clean water. Remove all loose, unsound, or deteriorated concrete. Small hairline cracks must be chased using a V-shaped diamond crack chasing blade on a handheld grinder. The crack should be opened to a minimum of ¼ inch wide. Any oil or grease that may have seeped into a crack and contaminated the edge of the concrete must be removed by grinding if washing is not sufficient. Use dry silica sand to fill deep cracks leaving a depth of ¼ inch down from the surface. The InstaPatch will soak into the silica and fortify the patch.

### PRODUCT APPLICATION (cont.)

#### MIXING

Mix both components separately prior to combining. Pour out equal volumes of each component, then combine and mix together for 20-30 seconds. InstaPatch cures very quickly, so only mix up amounts that can be used within 5 minutes. Once mixed, InstaPatch is an easy flowing liquid. For some repairs, such as spalled areas or edge repair, dry silica sand can be added and mixed in to create a trowelable paste. Never use more than one part silica to one part activated liquid.

#### APPLICATION

InstaPatch is suitable for application temperature down to -5°F (-20.5°C). Within one minute of mixing, pour InstaPatch into the crack to be filled. Fill the crack to a slight excess and allow to cure. InstaPatch will cure in 10- 15 minutes. Once cured, and the material cannot be indented by a thumbnail, the excess material can be removed by grinding to a flush surface. NOTE: InstaPatch must be profiled by grinding or sanding if it is going to be topcoated.

#### THINNING

Not required.

#### CLEAN-UP

Methyl Ethyl Ketone (MEK).

### PERFORMANCE CHARACTERISTICS

#### TENSILE STRENGTH

METHOD: ASTM D412  
RESULT: 4,800

#### ABRASION RESISTANCE

METHOD: ASTM D4060, CS 17 Wheel, 1,000 g load, 1,000 cycles  
RESULT: 20 mg loss

#### HARDNESS, DUROMETER

METHOD: ASTM D2240  
RESULT: 67-72 D

#### COMPRESSIVE STRENGTH

METHOD: ASTM C109  
RESULT: 5,600 and with silica added 6,200

#### ELONGATION

METHOD: ASTM D412  
RESULT: 6-8%

<b>POLYUREA</b>	<b>TECHNICAL DATA</b>	<b>CS-44</b>
	<b>INSTAPATCH®</b> <b>ULTRA RAPID CURING CONCRETE REPAIR</b>	

## PHYSICAL PROPERTIES

		INSTAPATCH
Resin Type		Polyurea
Solids*	By Weight	100%
	By Volume	100%
Mixing Ratio		1: 1 base to activator by volume
Induction Period		None required
Working Time		5 minutes @ 77°F (25°C)
Pot Life		None. Pour out all material immediately after mixing
Estimated Coverage*		230 linear feet per activated gallon @ ¼" wide and ¼" deep
Dry Times at 72°F and 50% Relative Humidity	Dry Hard	5-10 minutes
	Foot Traffic and Topcoat	10 minutes
	Vehicle Traffic	30 minutes
Safety Information		See SDS

\*Coverage rate is estimated and accounts for material lost when grinding away excess material for a smooth finish.

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