



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%

POLYUREA**TECHNICAL DATA****CS-44****RUST-OLEUM®****INSTAPATCH®****ULTRA RAPID CURING CONCRETE REPAIR****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
Shelf Life		2 years
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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