



**CITADEL®  
CONCRETE REPAIR COMPOUND**

**DESCRIPTION AND USES**

Citadel® Concrete Repair Compound makes repairing large holes and spalls easy. This fiber reinforced, easy to mix, pourable material makes quick repairs to level concrete surfaces. It will accept heavy traffic including forklifts only 2 hours after application. It is suitable for both interior and exterior applications.

**FEATURES AND BENEFITS**

- Fast return to service; foot traffic in 30 minutes and vehicle traffic in as little as 2 hours
- Just add water, mix and pour
- Can be applied up to 4 inches deep in a single application
- Suitable for interior and exterior use, will set up at temperatures down to 40°F

**PRODUCT**

SKU	DESCRIPTION (Gray)
353966	10 lb. Kit

**PRODUCT APPLICATION**

**READ ALL INSTRUCTIONS CAREFULLY BEFORE STARTING PROJECT**

**SURFACE PREPARATION**

The substrate should be clean and free from oil or contaminants. Any loose debris should be removed from the surface. If possible, wire brush the surface. Edges of the repair should be cut to depth to avoid feather edging in heavy wear areas. Concrete Repair Compound can be applied to damp (not wet) concrete.

**PRODUCT APPLICATION (cont.)**

**MIXING**

Mixing ratio is 3-5 parts powder to 1 part water. Do not mix more material than can be used in 10 minutes. Gradually add the powder/aggregate to water mixing continuously with a mixing blade on a drill to achieve a pourable slurry. Thoroughly mix to break up any lumps of unmixed dry powder. Be sure to scrap the sides of the bucket. Once mixed, curing begins quickly, so the mixture should be applied immediately. Once mixed, do not re-stir as this could potentially weaken the final repair. Any unmixed powder/aggregate can be stored for future use.

**APPLICATION**

When a smooth consistency has been achieved, simply pour the Concrete Repair Compound into the damaged area. After proper mixing, the repair will self-level and need minimal troweling. Concrete Repair Compound will set at low temperatures (down to 40°F/4°C) and from 4 inches to feather-edge depths.

**CURING**

Will accept foot traffic in 30 minutes and forklift traffic in 2 hours at 60-70°F/16-21°C.

**OPTIONAL TOP COAT INSTRUCTIONS**

Concrete Repair Compound can be top coated with several water and solvent based coatings including Acrylics, Alkyds, Epoxy, Polyureas and Polyaspartics. Allow 24 hours before top coating with a water based coating and allow 5 days if top coating with a solvent based system. Clean off contamination with an appropriate cleaner and degreaser such as Krud Kutter® Original Cleaner and Degreaser and lightly abrade with sandpaper or a wire brush prior to top coating.

**CLEAN-UP**

Remove excess material with a cloth and wash with water before the product sets.

**PERFORMANCE CHARACTERISTICS**

**Compressive Strength (ASTM C109)**

1 Day	2900 psi
7 days	5075 psi
28 days	6525 psi



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**PHYSICAL PROPERTIES**

		<b>CONCRETE REPAIR COMPOUND</b>
<b>Composition</b>		Fiber Reinforced Portland Cement
<b>Solids</b>	<b>By Weight</b>	100%
	<b>By Volume</b>	100%
<b>VOC</b>		0 g/l
<b>Mixing Ratio</b>		3-5 parts powder to 1 part water by volume
<b>Induction Period</b>		None required
<b>Pot Life</b>		5 to 10 minutes @ 70°F
<b>Practical Coverage*</b>	<b>10 lb. Kit</b>	1/4" depth - 4 sq. ft. 1/2" depth - 2 sq. ft. 1" depth - 1 sq. ft. 2" depth - 0.5 sq. ft. 4" depth - 0.25 sq. ft.
	<b>55 lb. Kit</b>	1/4" depth - 22 sq. ft. 1/2" depth - 11 sq. ft. 1" depth - 5.5 sq. ft. 2" depth - 2.75 sq. ft. 4" depth - 1.38 sq. ft.
<b>Curing Time @ 60-70°F (16-21°C) and 50% Relative Humidity</b>	<b>Foot Traffic</b>	30 minutes
	<b>Vehicle Traffic</b>	2 hours
<b>Storage</b>		Store in dry conditions
<b>Shelf Life</b>		12 months
<b>Safety Information</b>		See SDS

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

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