



**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.

PRODUCT 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.

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.

PRODUCT APPLICATION (cont.)

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 a minimum of 30 minutes before top coating. Depth of repair, along with temperature and humidity levels can result in additional dry time required before applying a coating. Repair will turn light gray when fully dry. Clean off contamination with an appropriate cleaner and degreaser such as Krud Kutter® PRO 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

		CONCRETE REPAIR COMPOUND
Composition		Fiber Reinforced Portland Cement
Solids	By Weight	100%
	By Volume	100%
VOC		0 g/l
Mixing Ratio		3-5 parts powder to 1 part water by volume
Induction Period		None required
Pot Life		5 to 10 minutes @ 70°F
Practical Coverage*	10 lb. Kit	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.
Curing Time @ 60-70°F (16-21°C) and 50% Relative Humidity	Foot Traffic	30 minutes
	Vehicle Traffic	2 hours
Storage		Store in dry conditions
Shelf Life		12 months
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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