

PRODUCT DESCRIPTION

Simiron INSTANT PATCH is a two-component, 100% solids polyurea crack filler. This fast-curing formula allows for quick concrete repair to cracks, joints, holes and other damaged concrete surfaces.

SIMIRON INSTANT PATCH has a low viscosity formula that provides excellent adhesion to concrete, creating a permanent repair to damaged concrete surfaces. INSTANT PATCH fast cure time allows repaired areas to be opened to traffic in as little as 10 minutes.

FEATURES & BENEFITS

- Fast Return-to-Service
- Odor Free
- Solvent-Free Formula
- Can Be Applied in Temperatures as Low as 0°F (-18°C)
- Easy 1 to 1 Mix Ratio
- Zero VOC, 100% Solids
- Excellent Adhesion to Concrete
- Impact Resistant
- Pourable

RECOMMENDED USES

- Rebuild joint sidewalls
- High traffic area spalls & crack repairs
- Quick repair in busy areas
- Floor repair & reconditioning
- Fill small concrete defects before coating
- Used to “knit” cracked slabs
- Repair concrete to prevent further damage

PRODUCT INFORMATION

PHYSICAL DATA	COLOR/FINISH	ITEM NUMBER
1 Gal (3.79 L) Complete Kit	Concrete Gray	40002862

TECHNICAL DATA

PHYSICAL DATA	
Components	2 (ISO & Polyol)
Color	Concrete Gray
Solids Content	100%
Mix Ratio (by volume)	1: 1
Gel Time 100 Gram mass @ 72°F (22°C)	2 – 3 minutes
VOC (EPA Method 24)	0 g/L

CURE TIMES AT 72°F (22°C)	
Tack Free	5 minutes
Light Traffic	10 minutes
Heavy Traffic	30 minutes

PHYSICAL PERFORMANCE

PHYSICAL PROPERTIES	TEST METHOD	RESULTS
Adhesion to Concrete	ASTM D4541	275 psi (1.9 MPa)
Compressive Strength	ASTM C109	5,600 psi
Elongation	ASTM D412	5%
Shore D Hardness	ASTM D2240	74 – 76 D
Tensile Strength	ASTM D412	5,600 psi

SURFACE PREPARATION

Concrete must be sound, clean, dry and free of contaminants such as dirt, dust, grease, oil, silicones and other contaminants that may negatively affect adhesion. Concrete should be a minimum of 28 days old.

For repair of spalled concrete or pop-outs, use a wire brush or twisted wire wheel to remove any loose or deteriorated concrete before application. Cracks must be chased and cleaned with a diamond crack chasing blade on a handheld grinder.

After preparing area, remove all dust and debris with a vacuum. All surfaces must be clean and dry before filling with Instant Patch.

SAFETY AND TECHNICAL

Refer to the SDS sheet before use. Safety precautions must be strictly followed during storage, handling, and use. Personal protective equipment (PPE) should be worn at all times. PPE will include (but is not limited to): Safety glasses with side shields and high quality nitrile gloves. To acquire additional information or technical and safety data, please visit: www.simiron.com

TEMPERATURE

Air	0° - 95°F	-18° - 35°C
Surface	0° - 95°F	-18° - 35°C
Material	0° - 95°F	-18° - 35°C

**Higher temperatures will shorten pot-life and working time.*

APPLICATION EQUIPMENT

Assemble all equipment. Equipment will include (but is not limited to)

- Drill and Jiffy® type mixing blade / stir stick.
- Trowel/wide putty knife if sand is added.
- Painter's tape, duct tape, roller pans, measuring and mixing containers.

MIXING

Simiron Instant Patch has a mix ratio of 1 part Base to 1 part Activator by volume.

1. Mix or shake both components separately before use.
2. Premeasure equal amounts of Base and Activator before mixing together.
3. Mix Base and Activator by stir stick or drill mix for 20-30 seconds. Only mix enough material that can be used within 2 to 3 minutes after mixing.

⚠ Do not thin product with any solvents.

Silica sand can be added to form a paste to reduce sag/flow where edge work is needed. Do not add more sand than the volume that will equal the mixed liquids. Be sure silica sand is dry and doesn't contain any moisture before mixing with Instant Patch. For best application and usage, premeasure Base, Activator and silica before mixing. Add silica to the Base and premix to ensure equal consistency and maximize the work time. Add Activator to the base and silica mixture and mix for an additional 20-30 seconds.

APPLICATION PROCEDURE

1. Immediately after mixing, quickly pour the liquids into cracks and holes. Scrape liquids flush with the concrete using a flat squeegee or metal blade to minimize grinding required after material is cured.
2. Allow material to cure 10 -15 minutes.
3. Grind patch material level if needed.
4. Coat over patches if desired.

CLEAN UP & DISPOSAL

Clean up mixing and application equipment immediately after use. Use acetone or xylene; do not use alcohol. Follow solvent manufacturer's safety instructions. Be sure to follow all local, state and federal regulations when disposing of materials.

MAINTENANCE

To maintain the appearance and extend the life of the newly sealed surface, it is imperative to have a routine maintenance program. Dirt and debris that is tracked over a finished floor will quickly scratch and dull the surface. Place walk-off mats at entrances. Sweep and mop/scrub floors regularly using soft bristles/pads and a mild cleaner. Some cleaning products and equipment or improper use of these can damage a surface. Remove spills quickly to minimize damage and/or stains. For systems that support parked vehicles or other heavy items on rubber wheels, place a small piece of nonporous material, such as sheet metal or plexiglass between the tires and floor to prevent tire marks. Reapplication may be necessary in heavy traffic areas.

LIMITATIONS

- ⚠ Do not apply outside of the recommended temperature and humidity range.
- ⚠ Do not delay in mixing and pouring mixed material onto the floor.
- ⚠ Do not apply over loose or unsound concrete, asphalt or bitumen substrates, glazed tile or nonporous brick and tile, magnesite, copper, metal, polyesters, or elastomeric membranes.
- ⚠ Do not use as a joint filler substitute.

LIMITED WARRANTY

SIMIRON warrants this product to be free from defect in the material that affects its performance for a period of one year (from date of purchase). SIMIRON will replace at no charge the quantity of the Coating that SIMIRON determines has failed to perform, as the sole and exclusive remedy for any breach of this warranty and/or any other defect or failure of the coating. Proof of purchase is required. Cost of labor for application of any product specifically is excluded. Warranty is nontransferable

SHELF LIFE AND STORAGE

12 months when stored indoors at 55°F – 85°F (13°C – 29°C) in a dry location with humidity below 65%.

- ⚠ Do not allow materials to freeze.

Shelf life of 12 months from the date of manufacture on the label in the original unopened container stored in recommended conditions.

TECHNICAL ASSISTANCE

Information is available by calling SIMIRON
Toll Free: 1.866.515.8775 / +1.248.686.3600



QUESTIONS?
866.515.8775