



CRACK PATCH GEL – 4H

Product Information

Category: Prep for Epoxy Flooring System

64 oz Kit

1:1 ... 32oz A to 32oz B

Product 2203 - 64

7-2019
advancement to
our original Crack
Patch Gel.

Description and Use:

Granicrete Crack Patch – 4H Gel is a premium quality 2-part epoxy patching compound. It provides epoxy high build, maximum toughness, flexibility, excellent chemical resistance in a quick drying paste that is around 4 hours (4H).

It is used to patch cracks and voids on concrete, wood, metal, masonry and areas where a tough yet flexible epoxy paste is needed. **This preparation product is used prior to any of Granicrete's many epoxy flooring options.**

This engineered product used in the following Granicrete Systems:

- | | |
|--|--|
| <input checked="" type="checkbox"/> Floor Overlay / Micro-Toppings | <input checked="" type="checkbox"/> 3D |
| <input checked="" type="checkbox"/> Interior | <input checked="" type="checkbox"/> Epoxy Flooring |
| <input checked="" type="checkbox"/> Exterior | <input type="checkbox"/> Shower FX |
| <input type="checkbox"/> Countertop | <input type="checkbox"/> Outdoor Islands |

Its significant characteristics include:

- ✓ Convenient 1:1 Mix Ratio
- ✓ Fast setting time of approximately 4 hours
- ✓ High build
- ✓ Chemical resistant
- ✓ Flexible
- ✓ Hardy and durable
- ✓ Moisture tolerant

Finish:

Not for finishing but only as a primer

Color:

Part A is dark. Part B is white. Mixed having a grey tone.

Packaging:

64 oz kits

Inspection:

Surface must be structurally sound, dry and free of oil, grease, curing agents, dirt, dust or other foreign matter. Surface must be roughed up or porous

Coverage:

Coverage will vary depending on condition of surface, depth and width of crack and application technique.

For linear foot coverage per 64 oz kit, cross reference the crack depth with the crack width.

		Width		
		1/4"	3/8"	1/2"
Depth	1/4"	77'	51'	38'
	3/8"	-	34'	25'
	1/2"	-	-	19'

Surface Preparation:

Prepare surface by sanding, grinding water blasting, sandblasting or shot blasting to achieve a clean, porous and uniform surface that will allow product to soak in and bond permanently. Clean out cracks with a crack chaser (diamond blade). Chip out any loose or unstable material in the area to be filled. The most common reason for coating failure is due to lack of preparation. The surface must be porous or rough enough to allow the product to adhere. May be used over aluminum and steel. If moisture emission is an issue, prime first with MVEP before applying Crack Patch Gel – 4H.

Mixing:

In a clean and dry bucket thoroughly mix 1-part A and 1-part B together. Combine using an agitator, jiffy mixer or stir stick at low rpm. Mix slowly for at least 3-5 minutes or until completely combined. Only prepare the amount you can use in 30 minutes.

Adding Aggregate:

Silica sand (or other aggregates) may be added to enhance workability and increase the yield of the mix. Silica sand will also increase pot-life and depending on the size, affect the texture and your ability to feather the patching compound. Depending on the size and amount of aggregate you add, you will also increase the tensile and compressive strength and hardness while decreasing the elongation of the product.

Application:

Often applied by chemical gloved hand and smoothed by trowel or putty knife. If the area is going to be coated with a thin film coating such as epoxies you **may wish to slightly overfill the area** then sand it flush the next day to match the texture of the existing surface. Silica sand may be broadcasted into the epoxy to add texture and act as a binder for subsequent coats of material.

Drying Time:

You may re-apply additional Crack Patch Gel – 4H or most any other epoxy system as soon as the product has hardened (usually 4-8 hours). Light foot traffic permitted in 12 hours, normal in 24 hours, light vehicle in 48 hours. Heavy vehicular traffic permitted after 72 hours. (All times are based on average temperature of 70 degrees and 50% humidity.) Cooler temperature will increase drying time.

Temperature/Weather:

Do not install this product below 50F (10C) degrees or above 95F (35C). Do not allow water to come into contact until it has cured for 24 hours.

Handling Precautions:

Refer to SDS before using

Limitations:

- ✓ Do not apply at temperatures below 50°F or above 95°F.
- ✓ After mixing completely (3-4 minutes remove from mixing container and fill crack or imperfection)
- ✓ Do not apply over concrete with Moisture Vapor Emissions above 4.5lbs/1000 ft²/24hr period.
- ✓ For interior use only unless protected by a tinted UV resistant coating.
- ✓ Concrete must be cured for a minimum of 28 days.
- ✓ Unopened shelf life is 1 year from manufacturing. Opened containers may experience shorter shelf life.

Clean Up:

Uncured material can be removed with a solvent. Cured material can only be removed mechanically.

Technical Data:

Test Type	GEL
Viscosity (ASTM D-445-83, Brookfield, TVTD, Spindle 4)	5500-7000
Gel Time (100 g mass/mins) – Techne GT-4 Gelation Timer	35
Tensile Strength (psi) – ASTM D 638-86	1530
Modulus (psi) – ASTM D 695-85	33800
Tensile Elongation % - ASTM D 638-86	55
Shore D Hardness – ASTM D 2240-86	45
Thin Film Set Timers, hrs (70°F) – BK Drying Recorder	7 hr.

Wear Personal Protective Equipment
Read SDS before using this product

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