

GrindLine Cove Resin Kit

THREE-COMPONENT 100% SOLIDS EPOXY MORTAR

PRODUCT DESCRIPTION: GrindLine Cove Resin Kit is a three-component, 100% solids epoxy mortar designed for cove-base surface applications. Specially selected aggregate and ingredients provide easy construction of cove bases using a margin trowel or other cove-base application tools.

RECOMMENDED FOR: Cove-base applications.

NOT RECOMMENDED FOR: Immersion applications involving acids or chemicals.

SOLIDS BY WEIGHT

100%

VOLATILE ORGANIC CONTENT

Less than 1 g/L

STANDARD COLORS

Natural, Light Gray, Dark Gray, and Red

RECOMMENDED THICKNESS

As needed to form the cove base, with a 1/8-inch minimum

COVERAGE

Depends on the style or type of cove base applied

PACKAGING	CUBIC FEET
1/2 unit	0.125 (approx.)
1 unit	0.25 (approx.)

1 UNIT: 4.25 lb Part A, 1.9 lb Part B, and 26.5 lb aggregate. Weights are approximate.

MIX RATIO

0.45 gal Part A to 0.23 gal Part B, plus 26.5 lb aggregate. Weights and volumes are approximate.

SHELF LIFE

1 year in unopened containers

FLEXURAL STRENGTH

15,000 psi per ASTM D790

COMPRESSIVE STRENGTH

14,575 psi per ASTM D695

TENSILE STRENGTH

9,200 psi per ASTM D638

ULTIMATE ELONGATION

3.1%

IMPACT RESISTANCE

Excellent

ABRASION RESISTANCE

Excellent

HEAT DEFLECTION TEMPERATURE

62.25 degrees C per ASTM D648

WEATHERING

Good (chalks)

VISCOSITY

Part A: 2,200-2,700 cps; Part B: 200-300 cps

DOT CLASSIFICATIONS

Part A and C: Not regulated

Part B: CORROSIVE LIQUID N.O.S., 8, UN1760, PGIII

PRIMER

None required. In some applications, a suitable compatible epoxy primer can aid application.

TOPCOAT

None required

CURE SCHEDULE (70 DEGREES F)	
Pot life (0.25 cu. ft. mix)	25-35 minutes
Recoat or topcoat	6-10 hours
Light foot traffic	8-10 hours
Full cure (heavy traffic)	2-7 days
Application temperature	50-90 degrees F

CHEMICAL RESISTANCE	
Xylene	C
1,1,1 trichloroethane	B
MEK	A
Methanol	A
Ethyl alcohol	C
Skydrol	B
10% Sodium Hydroxide	E
50% Sodium Hydroxide	E
10% Sulfuric Acid	C
70% Sulfuric Acid	A
10% HCl (aq)	C
5% Acetic Acid	B

Rating key: A - not recommended; B - 2-hour splash/spill; C - 8-hour splash/spill; D - 72-hour immersion; E - long-term immersion. Extensive chemical-resistance information is available through your sales representative.

LIMITATIONS

- Color stability may be affected by high humidity, chemical exposure, and UV exposure.
- Colors may vary from batch to batch due to variations in the silica filler.
- Mortar colors are not from the standard color chart.
- Substrate temperature must be 5 degrees F above dew point.
- For chemical-exposure areas, use a suitable topcoat to reduce porosity and chemical migration.
- New concrete must cure for at least 30 days before application.
- See page 2 for application instructions.
- Test data is based on neat resin.
- Physical properties are typical values, not specifications.

Mixing and Application Instructions

GRINDLINE COVE RESIN KIT

PRODUCT STORAGE

Store product in an area that allows the material to reach normal room temperature before use. Continuous storage should be above 55 degrees F to prevent product crystallization.

SURFACE PREPARATION

Remove all dirt, oil, dust, foreign contaminants, and laitance to assure a trouble-free bond to the substrate. An aggressive shot blast is recommended before application. Acid etching is a less adequate method, but the etch must properly profile the substrate. Mechanically scarify all edges and areas around columns or beams. Do not feather-edge termination points; saw-cut them, ending at the saw cut, or blend them into an applied epoxy floor overlay. V-cut and fill all large cracks with an appropriate crack filler. Fill all expansion joints with an appropriate joint filler. When overlaying an expansion joint, a single saw cut through the epoxy overlay will help prevent random fracturing. Test whether the concrete is dry by placing a 4 ft x 4 ft plastic sheet and taping down the edges. If the substrate remains dry beneath the sheet after 24 hours, it is dry enough to begin coating. This test can also help identify hydrostatic-pressure conditions that may later cause disbonding.

PRIMING

No primer is necessary; this material is self-priming. However, a suitable compatible epoxy primer may be used to aid application.

PRODUCT MIXING

Mix the liquids together first in an oversized container until thoroughly combined and streak-free. After the liquids are mixed, add the aggregate. Mix the aggregate using slow-speed equipment, such as a jiffy mixer or a rotating-bucket/stationary-blade assembly. Continue mixing until the aggregate is thoroughly wetted out. No induction time is necessary. Improper mixing may result in product failure.

PRODUCT APPLICATION

Apply the mixed material using a margin trowel, cove-base trowel, or other suitable application equipment at a minimum thickness of 1/8 inch. Do not over-trowel, as this may cause isolated blisters. Maintain temperatures within the recommended range during application and curing.

RECOAT OR TOPCOATING

Recoating or topcoating is not required. If a topcoat is desired, allow the mortar to cure before topcoating. Many epoxies and urethanes may be suitable; contact your sales representative for product selection.

CLEANUP

Use xylol.

FLOOR CLEANING

Caution: Some cleaners may affect the color of the installed floor. Test each cleaner and cleaning technique in a small area. If no ill effects are observed, continue using the tested product and process.

RESTRICTIONS

Restrict the floor to light traffic and non-harsh chemicals until the coating is fully cured. Keep the floor dry for the full cure cycle whenever possible. Depending on the complete system application, the surface may be slippery, especially when wet or contaminated; keep the surface clean and dry.

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