



EPOXY COVE BASE KIT

PRODUCT DESCRIPTION

EPOXY COVE BASE KIT is a three component, 100% solids, epoxy mortar designed for cove base surface applications that can be integrated into the floor system. This product has specially selected aggregate and ingredients to provide easy construction of cove bases with the use of specific cove application tools.

Placing cove where the wall and floor comes together, conceals the seam to create a smooth transition that is also done to protect and improve hygiene. Durable options like **EPOXY COVE BASE KIT** offer protection to the base of the wall. Properly placed cove systems prevent dirt, debris, liquids, and bacteria from accumulating in sharp corners, making cleaning easier. In many facilities, a functioning cove is required to meet regulations.

FEATURES & BENEFITS

- Seamless
- Solvent Free
- 100% Solids
- Chemical Resistant
- Durable
- Excellent Adhesion Properties
- Impact Resistant
- Safe For Incidental Food Contact
- User-Friendly Work Time

RECOMMENDED USES

- Food & Beverage production.
- Commercial kitchens & coolers
- Bathrooms & showers.
- Pharma & chemical processing.
- Laboratories.

PRODUCT INFORMATION

PRODUCT NAME	SIZE	COLOR/FINISH	ITEM NUMBER
Epoxy Cove Base Kit	35 Linear Ft Kit (4 inch)	Neutral	40011116

4 ounces of U-tint can be added to a kit to achieve color.

TECHNICAL DATA

PHYSICAL DATA	
Components	3 (A + B + Cove Sand)
Color	Neutral
Finish	Gloss
Curing Mechanism	Chemical reaction between components
Solids by Volume	100%
Solids by Weight	100%
Mixed Viscosity	800 - 900 cP (resin)
VOC (EPA Method 24)	< 1 g/L

THEORETICAL COVERAGE	
4 inch cove (1 inch radius)	35 Linear Feet
6 inch cove (1 inch radius)	28 Linear Feet

CURE TIMES @ 72°F (25°C) 50% RH *	
Work Time	25 - 35 minutes*
Tack Free	3 - 4 hours
Full Cure	5 days
Minimum Recoat	5 hours
Maximum Recoat	24 hours **

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

**Apply another coat of epoxy or a topcoat within 24 hours..

If the re-coat window is missed, the coating system will need to be sanded.



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PHYSICAL PERFORMANCE PROPERTIES

PHYSICAL PROPERTIES	TEST METHOD	RESULTS
Abrasion		Excellent
Compressive Strength	ASTM D695	14,575 psi (resin)
Elongation	—	3%
Flexural Strength	ASTM D790	12,800 psi
Heat Deflection	ASTM D648	62.25° C
Impact	ASTM D2240	Excellent
Tensile Strength	ASTM D638	9200 psi (resin)

CHEMICAL RESISTANCE

CHEMICAL	RESULTS	CHEMICAL	RESULTS	CHEMICAL	RESULTS
10% Acetic Acid	G	Methyl Ethyl Ketone	NR	Betadine	G*
Vinegar	G	Xylene	G	Bleach	E
10% Citric Acid	G	Ethylene Glycol	G	Urine	E
10% Hydrochloric Acid	G	Isopropyl Alcohol	G	Coffee	E
30% Hydrochloric Acid (muriatic)	G	Mineral Spirits	G	Cola	E
10% Nitric Acid	G*	Brake Fluid	F	Ketchup	G
50% Phosphoric Acid	F	Transmission Fluid	E	Mustard	G
10% Sulfuric Acid	G	Motor Oil	E	Red Wine	E
37% Sulfuric Acid	F	50: 1 Gas/Oil Mixture	E	*Stain is only defect.	
70% Sulfuric Acid	NR	E85 Gasoline	E	KEY	
20% Ammonium Nitrate	E	E95 Gasoline	E	E = Excellent	G = Good
20% Sodium Chloride	E	Unleaded Gasoline	G	F = Fair	NR = Not Recommend
50% Sodium Hydroxide	E	Skydrol	G		

SURFACE PREPARATION

All dirt, oil, dust, foreign contaminants and laitance must be removed to assure a trouble free bond to the substrate. Prepare wall to adhere primer and hold epoxy cove. 4 inch high cove is standard, but higher cove can be placed. Mark the top of the cove with tape or apply a cove strip.

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, please visit: www.simiron.com.



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TEMPERATURE

Air	50° – 90°F	10° – 32°C
Surface	50° – 90°F	10° – 32°C
Material	60° – 85°F	16° – 29°C

*Higher temperatures will shorten pot-life and working time.
Floor temperature must be at least 5 degrees over the current dew point.*

APPLICATION EQUIPMENT

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

1. Cove trowels/tools.
2. Painter's tape, duct tape, measuring and mixing containers

APPLICATION PROCEDURE

No primer is necessary. This material is self priming. However, any suitable Simiron epoxy can be used to prime under the area where cove will be installed.

1. If pigmenting the cove, add 4 ounces **U-Tint** to the Part A before adding the Part B.
2. Mix Part A and Part B together first in an oversized container thoroughly and until streak free. Then, add the Cove Sand. Mix in the sand with a slow speed drill and jiffy mixer or rotating bucket/stationary mixing blade assembly. **It is important that enough time is spent mixing in the sand to insure it's completely wetted out with resin.**
3. Put cove up on wall (hang) by using a flat trowel to press the mortar onto the wall as you move laterally down the wall. Use denatured alcohol to lubricate the tools. The material should not be thick at the bottom. Follow behind with a 1" radius cove trowel to smooth cove by applying more pressure to the trailing end. **Do not over trowel the material as this may cause isolated blisters to form.**
4. After the mortar sets up, pull any tape. No topcoating is necessary, but protecting the cove with a Simiron topocat is recommended.

CLEAN UP & DISPOSAL

Clean up mixing and application equipment immediately after use. Use xylene. 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

- ⚠ The cove should not be used in places where it will be immersed in water or other chemicals.
- ⚠ Do not apply at a temperature or thickness not recommended.
- ⚠ Do not delay in 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.
- ⚠ Moving joints and shrinkage cracks may reflect through system. Joints that are designed to move may reflect through the finished flooring system if the are not honored.
- ⚠ Tire marking may occur.

SHELF LIFE AND STORAGE

12 months from date of manufacture when stored indoors in the original unopened container at 60°F – 85°F (16°C – 29°C) in a dry location with humidity below 65%.

- ⚠ Do not allow materials to freeze.

TECHNICAL ASSISTANCE

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

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 void if Simiron products are mixed with or used in conjunction with materials that are substituted for Simiron products. Warranty is nontransferable.



CORPORATE OFFICE:

Simiron Inc
3000 Research Drive
Rochester Hills, MI 48309-3580, USA
(248) 686-3600 / (866) 515-8775

PRODUCT DATA SHEET: 11/12/2025

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