COVE RESIN

EPOXY COVE BINDER

SKU: 243-0000-03, 243-0000-15

RESINWERKS COVE RESIN IS A THIXOTROPIC EPOXY RESIN BINDER THAT IS USED TO FORM VERTICLE RADIUS COVE IN COMMERCIAL AND INDUSTRIAL SETTINGS. The material provides excellent durability and can be used in several applications ranging from animal healthcare, food manufacturing, to commercial kitchens. Cove Resin dries clear and can be used as a primer as well as a grout coat over previously placed cove systems. Cove Resin is intended for professional use only and can be combined with all types of trowel decorative quartz aggregates for vertical applications.

USES:

- Animal Facilities
- Secondary Containment
- Food Preparation
- Industrial Manufacturing

ADVANTAGES:

- Impact Resistant
- Easy-To-Use
- Non-Hazardous
- Will Not Become Brittle

PACKAGING & SHELF-LIFE

Cove Resin is available in the following kits:

- 1.5-gallon kits (1-gal part A and 0.5-gal part B in a box kit)
- 3-gallon kits (2-gals part A and 1-gal part B in a box kit)

Shelf-Life::

- 24 months factory sealed and stored at room temperature.

ANCILLARY PRODUCTS:

- Resinwerks F Style Quartz Aggregate
- Colored Decorative Quartz

APPROXIMATE COVERAGE (PRIMER & TOPCOAT):

- 100 ln.ft. per 48-oz mixed material (1-qt part-A & 1-pt part-B)*
- 400 ln.ft. per 1.5-gal mixed material (1-gal part-A & 0.5-gal part-B)*

APPROXIMATE **COVERAGE PER AGGREGATE MIX**

COVE HEIGHT	EPOXY	AGGREGATE	LINEAR FEET
4”	1-qt part-A, 1-pt part-B	7-8 quarts by volume (approx 25 lb.)	35-40 ln.ft
	1.5-gal kit	100 Lbs	140-160 ln.ft.
6”	1-qt part-A, 1-pt part-B	7-8 quarts by volume (approx 25 lb.)	25-30 ln.ft.
	1.5-gal kit	100 Lbs	100-120 ln.ft.
8”	1-qt part-A, 1-pt part-B	7-8 quarts by volume (approx 25 lb.)	15-20 ln.ft.
	1.5-gal kit	100 Lbs	60-80 ln.ft.

GENERAL PRODUCT **INFORMATION**

Colors:	Clear
Solids Volume:	100%
V.O.C.:	0 g/l mixed
Mix-Ratio:	2-Part A to 1-Part B by volume
Pot-life:	30 Minutes @ 72° F and 50% RH
Working Time:	30-40 Minutes
Cure Schedule:	4-6 hours @ 72° F and 50% RH
Trowel Lubricant:	Denatured Alchohol
Clean-up:	Denatured Alchohol
Application Temp:	60°F(15.5°C) - 90°F(32.2°C)

GENERAL PRODUCT **PERFORMANCE**

TEST TYPE	TEST METHOD	RESULT
Hardness/Shore D	ASTM D2240	75-80
Tensile Strength	ASTM D638	12-13k psi
Tensile Modulus	ASTM D638	21,545
Flexural Strength	ASTM D790	18-19k psi
Bond Strength	ACI 403	Concrete fails before bond
Compressive Strength	ASTM D695	17.5-19k psi

RELATED SYSTEMS:

- Designed to be used as a component to Resinwerks solid color, chip, and quartz systems. May also be used as a cove base matrix for other resinous flooring systems.

COVE RESIN

SKU: 243-0000-03, 243-0000-15

EPOXY COVE BINDER

INSTALLATION TIME-FRAME

Resinwerks recommends that concrete be cured a minimum of 28-days prior to application to ensure adequate adhesion. Installation of Cove Resin should take place prior to the placement of the resinous flooring system. Ambient and slab temperatures should be stabilized to actual long-term operating temperature to limit any further concrete expansion or contraction.

PREPARATION

- All areas should be completely free of all laitance, dirt, debris, moisture and any other contaminants. The concrete substrate should be properly prepared prior to application.
- Verticle and horizontal areas where Cove Resin matrix is to be applied must be primed with non-aggregated Cove Resin or a comparable primer.

MEASURING AND TAPING/COVE STRIP

- Cove Resin termination can be acheived with painters tape or cove strips.
- Measure to the desired wall height and mark wall with pencil. Placing a mark on the cove trowel at the desired height and using it as a reference is advised. Snap a chalk line across pencil marks and then apply painters tape or cove strip along the chalk line.

PRIMING INSTRUCTIONS:

- Prior to mixing, all products should be properly acclimated to the local ambient room temperature of 60ºF(15.5ºC)-90ºF(32.2ºC)
- Thoroughly agitate both part-A and part-B separately prior to mixing. Mix 2-parts-A to 1-part-B by volume for two minutes using a slow speed jiffy mixer. **Suggested mix design:** 1-qt part-A to 1-pint part-B to preserve workability time frame.
- Use a short nap (3/8”), non-shedding roller or disposable brush to apply a thin layer of Cove Resin to the desired height of cove and 1” out onto the floor.
- If prime coat cures before applying Cove Resin matrix, area must be re-primed.

MATRIX MIXING INSTRUCTIONS:

- Prior to mixing, all products should be properly acclimated to the local ambient room temperature of 50ºF(-1.1ºC) - 90ºF(32.2ºC)
- Thoroughly agitate both part-A and part-B separately prior to mixing. Mix 2-parts-A to 1-Part-B by volume for two minutes using a slow speed jiffy mixer. Add aggregate and blend until consistent. **Suggested mix design:** 1-qt part-A to 1-pint part-B to 7-to-8-qts of aggregate to preserve workability time frame.

MATRIX APPLICATION INSTRUCTIONS

- Apply the mixed Cove Resin matrix directly to the primed surface using a margin trowel. Apply primarily to the wall, up to the painters tape or cove strip, while leaving enough material to form the radius of the cove on the floor.
- Shape the Cove Resin matrix using a radius cove trowel until smooth. Take care to not leave open spots or rough surfaces on the face of the cove.
- Denatured Alcohol should be used as a trowel lubricant to ensure a smooth glide and clean release of the Cove Resin matrix.
- If used, pull painters tape and remove any excess material.

TOPCOAT

- Prior to mixing, all products should be properly acclimated to the local ambient room temperature of 60ºF(15.5ºC)-90ºF(32.2ºC)
- Thoroughly agitate both part-A and part-B separately prior to mixing. Mix 2-parts-A to 1-part-B by volume for two minutes using a slow speed jiffy mixer. **Suggested mix design:** 1-qt part-A to 1-pint part-B to preserve workability time frame.
- Apply Cove Resin to lower portion of cured cove matrix using a disposable brush. Use a flat squeegee to pull excess material vertically to the termination point of the cove.

FLAKE APPLICATION (BEFORE TOPCOAT)

- Follow recommended temperature and mixing instructions from previous sections.
- Apply matching pigmented resinous floor coating to cured Cove Resin matrix and broadcast flakes directly to the coated matrix. Once broadcast coat is cured scrape excess flake and vacuum or brush clean.
- If necessary, apply a grout coat of non-aggregated Cove Resin and broadcast a second application of flakes.
- Topcoat as outlined in previous section.

LIMITATIONS

- Do not apply over concrete experiencing ASR
- Do not apply over Acrylics or MMA Coatings
- Do not apply over existing coatings / sealers that have not been properly abraded and cleaned.
- Do not apply to new slabs < 28-days old
- Do not apply to concrete < 3500 PSI compression strength
- Do not apply product when ambient or room temperature is below 0ºF (-17.8ºC) or over 90ºF(32.2ºC) or if the relative ambient humidity is above 85%.
- This product is not recommended for immersion service.
- DEW POINT: Do not apply when dew point is within 5ºF of the ambient temperature.
- Cove Resin can not be tinted.
- *Different substrates and profiles will impact estimated coverages of primer coat.

TECHNICAL ASSISTANCE

PHONE: 720-484-5160

WEB: www.resinwerks.com

RESINWERKS, LLC
7270 GILPIN WAY, SUITE 100
DENVER, CO 80229

RESINWERKS™ FLOOR COATING SYSTEMS