

COVE RESIN™

EPOXY COVE BINDER



Resinwerks Cove Resin is a thixotropic epoxy binder specifically formulated for creating vertical radius coves in commercial and industrial environments. Designed for professional use, it is suitable for a wide range of demanding applications, including animal care facilities, food processing plants, and commercial kitchens.

Cove Resin cures to a clear finish and can be used as a primer, binder and grout coat. It is compatible with various decorative quartz aggregates, making it ideal for troweled vertical finishes that require both aesthetics and performance.

USES:

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

ADVANTAGES:

- » Impact Resistant
- » Easy-to-Use
- » Non-hazardous
- » Will not become brittle

SYSTEM COMPONENTS & MIXING

Cove Resin is available in the following kits:

- » 3-gallon kits: 2-Gal Part A and 1-Gal Part B (3.7L)
- » Mix Ratio: 2-Parts A to 1-Part B

Recommended Industrial Sand or Quartz

- » Resinwerks Multi-Cast "F" Sand
- » Or installer preferred trowel aggregate

Coverage

- » System coverages are approximate and will be dictated by the height of the cove.

APPROXIMATE COVERAGE PER MIX

COVE	COVE RESIN	AGGREGATE	LENGTH
4"	32 oz (1 qt) A	2-gal by volume	35-40 In ft
	16 oz (1 pt) B	(approx. 25 lb.)	
	3-gal kit	200 lbs	280-320 In ft
6"	32 oz (1 qt) A	2-gal by volume	25-30 In ft
	16 oz (1 pt) B	(approx. 25 lb.)	
	3-gal kit	200 lbs	200-240 In ft
8"	32 oz (1 qt) A	2-gal by volume	15-20 In ft
	16 oz (1 pt) B	(approx. 25 lb.)	
	3-gal kit	200 lbs	120-160 In ft

GENERAL PRODUCT INFORMATION

Color:	clear
Solids Volume:	100%
V.O.C.:	0 g/l mixed
Pot Life:	30 Minutes @ 70° F
Mix Ratio:	2A to 1B by Volume + aggregate
Trowel Lube:	Denatured Alcohol or Windex
Application Temp:	60°F - 90°F
Environment:	Interior
Shelf Life:	12-months factory sealed

GENERAL PRODUCT PERFORMANCE

TEST TYPE	TEST METHOD	RESULT
Compressive Strength	ASTMD 1938	16,000 lb/in
Flexural Strength	ASTM D790	18,000 PSI
Tensile Modulus	ASTM D638	12,000 PSI
USDA / CFIA	USDA & CFIA Compliant for Food & Beverage	
Water Absorbtion:	ASTM D570	.03%
Hardness/Shore D	ASTM D2240	4 hr: 60, 24 hr: >75

LIMITATIONS

- » Not intended for exterior applications
- » Do not apply over concrete experiencing ASR
- » Do not apply to concrete < 3500 PSI compression strength
- » Do not apply to new concrete < 28-days old
- » This product is not recommended for immersion service.
- » DEW POINT: Do not apply when dew point is within 5°F of the ambient temperature.
- » Do not apply in temperatures under 40°F or over 90°F.

RELATED PRODUCTS & SYSTEMS

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

COVE RESIN

TECHNICAL DATA SHEET



INSTALLATION TIME-FRAME

- Resinwerks recommends that concrete be cured a minimum of 30-days prior to application to ensure adequate adhesion. Installation of Cove Base 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.
- » Vertical and Horizontal areas where cove is to be applied must be primed prior to application with cove resin material.

MEASURING & TAPING / COVE STRIP

- » Cove Resin termination can be achieved with 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 cove strip along the chalk line.

PRIMING INSTRUCTIONS

- » Prior to mixing, all products should be properly acclimated to the local ambient room temperature of 60°F(15.5°C)-90°F(32.2°C)
- » 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: 32 Oz (1-qt) part-A to 16 oz (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.
- » Primer must still be wet/tacky at time of cove application. If prime coat cures before applying Cove Resin matrix, area must be re-primed.

COVE MATRIX MIXING INSTRUCTIONS

- » Prior to mixing, all products should be properly acclimated to the local ambient room temperature of 50°F(-1.1°C) -90°F(32.2°C)
- » 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: 32 Oz (1-qt) part-A to 16 oz (1-pint) part-B to 7-8 quarts by volume or approximately 25 lbs.

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 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. Windex may also be used.
- » If used, pull painters tape and remove any excess material.

GROUT COAT APPLICATION

- » Prior to mixing, all products should be properly acclimated to the local ambient room temperature of 60°F(15.5°C)-90°F(32.2°C)
- » 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.

NOTES

Thoroughly read all Material Safety Data Sheets prior to use and maintain copies on job-site at all times.

Mock-ups and field test areas are strongly recommended in order to validate performance and appearance related characteristics (including but not limited to color, inherent surface variations, wear, anti dusting, abrasion resistance, chemical resistance, stain resistance, coefficient of friction, etc.) to ensure system performance as specified for the intended use, and to determine approval of the coating system.

Variability in job site conditions (including but not limited to surface preparation, sunlight, humidity, dew point, temperature, etc.) during application of Epoxy products may lead to fish-eyes, blistering, pinholes, wrinkling, or out-gassing of air in the concrete and are not product defects.

TECHNICAL ASSISTANCE

PHONE: 720-484-5160

WEB: www.resinwerks.com