

westcoat

SYSTEM SPECIFICATION

EC

EPOXY COAT
DURABLE RESINS & HARDENERS

Epoxy Cove System

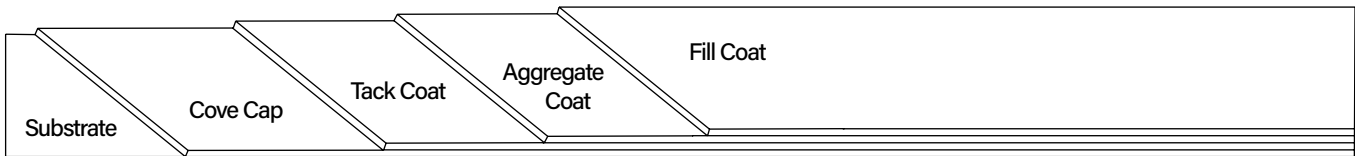
Description

Westcoat's Epoxy Cove System is designed to produce a seamless sanitary cove. It features CA-53 Cove Cap, EC-76 Cove Gel and TC-73 Mortar Mix.

Uses

Epoxy Cove System is designed to be used in tandem with a variety of Westcoat's Resinous Flooring Systems, including but not limited to Temper-Crete SLB, Dubro, Epoxy Slurry and Epoxy Mortar Systems.

System Overview



System Data				
Coverages (Based on 6 in Cove)	Cove Cap 5 LF per Piece	Tack Coat ~225-250 LF per Gallon	Aggregate Coat ~80 LF per gallon	Fill Coat ~200-225 LF per gallon
Components	CA-53 Cove Cap EC-76 Cove Gel TC-73 Epoxy Mortar Sand		Shelf Life 1 year 2 years N/A	

Advantages

System-Based Solution • Pre-Thickened Epoxy • Seamless • Easy to Clean • Superior Adhesion

Inspection

The surface must be structurally sound, clean, dry and free of grease, paint, oil, dust, curing agents, laitance or any foreign material that will prevent proper adhesion. The concrete should be at least 2,500 PSI and porous or rough enough to allow the product to soak in. A minimum of 28 days curing time is required on all concrete. Prior to starting work, test existing concrete slab for efflorescence, moisture and hydrostatic pressure.

Preparation

Surface must be properly prepared and primed as specified for system being installed. Please read appropriate System Specification Sheet for details. Patch and prepare vertical surface, if needed.

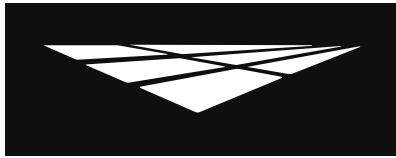
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Moisture

All concrete should be tested for moisture before applying a seamless coating. If moisture emissions exceed 5 lbs/1000 square feet (ASTM F1869) or if the relative humidity (RH) exceeds 75% (ASTM F2170), contact the manufacturer before application.

Primer / Flooring System

A primer is not typically required for the vertical application. The tack coat will act as a primer. Refer to the appropriate System Specification Sheet for additional information on horizontal application, as cove placement may vary.

Cove Cap

Ensure that the surface is clean, dry and free of debris, before mounting the cove cap. Determine height of cove. Refer to local building codes and requirements, but typical applications are at 4 or 6 inches high. Mark desired height and install CA-53 Cove Cap. Be sure to mask off adjacent areas, before applying the cove.

Tack Coat

In a clean and dry bucket, thoroughly mix 2 parts A and 1 part B (by volume) of EC-76. Combine using a mechanical mixer at low rpm. Mix slowly for at least 3 minutes or until completely combined. Only prepare the amount you can use in 20 minutes at 70F degrees. Immediately after mixing, apply the EC-76 to the wall, up to the cove cap and onto the floor 1 to 2 inches. Apply with a brush, trowel or putty knife. Be sure to completely coat the area to be coved. Immediately after applying the Tack Coat, move to the Aggregate Coat. Do not apply the Aggregate Coat if the Tack Coat has dried.

Aggregate Coat

If using a pigmented finish such as Temper-Crete SLB or the Epoxy Mortar System, you should use TC-73 Mortar Mix for the aggregate. For a Quartz finish, such as the Temper-Crete SLQ or the Epoxy Mortar Quartz system, you should use TC-65 Quartz Sand in the same blend as the floor.

Mix 48 ounces (by volume) of EC-76 and blend with approximately 25 pounds of TC-73 or equivalent aggregate. For larger batches, combine a 1½ gallon kit of EC-76 with 100 pounds of TC-73 or equivalent aggregate which will yield approximately 120 linear feet for a six inch cove. With a mechanical mixer, mix until all aggregate is completely and evenly coated with EC-76. Apply mixed aggregate with a trowel onto the wall, stopping at the cove cap. Smooth and finish the aggregate with a cove trowel, using water or solvent to lubricate the trowel.

Let the Aggregate Coat dry for ~8 hours at 70F degrees before applying the Fill Coat. After the Aggregate Coat dries, sand, abrade and detail as needed, before applying the Fill Coat.

Fill Coat

Mix 2 parts A and 1 part B by volume in a clean container. Apply EC-76 with a sponge float or roller cover onto the vertical surface to fill the aggregate prior to the clear or pigmented topcoat. Apply as thin as possible, smoothing out all application marks.

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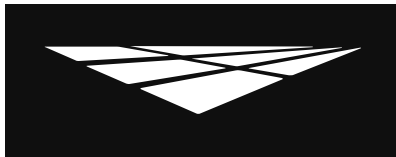


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Dry Time

Dry time is ~8 hours at 70F degrees. You may top coat over the EC-76 as soon as the material is dry. If needed, allow the Fill Coat to dry fully, sand or abrade and then apply final topcoat material(s) per the desired system. If coating after 24 hours, the Fill Coat must be sanded and wiped with solvent, prior to coating.

Optional Materials

Aggregate Options

- TC-65 can be used in lieu of TC-73, when a Quartz finish is required.

* Please refer to Product and System Specification Sheets for additional information.

Clean Up

Uncured material can be removed with solvent. If cured, material can only be removed mechanically or with an environmentally-safe solvent.

Health Precautions

Inhalation of vapor or mist can cause headache, nausea, irritation of nose, throat and lungs. Avoid breathing vapors. It is strongly recommended that respirators are worn. Prolonged or repeated skin contact can cause slight skin irritation. All epoxies have the potential of causing skin irritations or allergic reactions. Be careful not to get on skin, clothes or in eyes. Gloves are strongly recommended. If splashed in the eye, flush with warm water and contact a physician if blurring persists.

Solvent based products are extremely flammable. Extinguish all pilot lights and sources of ignition, such as electrical motors. Be sure to have adequate cross ventilation prior to installing.

Limitations

- This system is designed for professional use only.
- Read Product Specification Sheets for every product you will be using before beginning the project.
- Be sure to measure and mix properly.
- Be aware of the pot life of mixed material.
- Do not apply in temperatures below 50°F or temperatures above 90°F. Hot or cold weather will affect dry times.
- Epoxy must be cured for a minimum of 24 hours before coming in contact with water.
- For interior use only, unless protected by a UV resistant coating.
- Solvents may be required in cooler weather to lower viscosity and increase coverage of 100% solids.
- Please check with local laws governing the use of solvents.
- Do not allow Westcoat products to freeze.

Slip Precaution

Westcoat Specialty Coatings Systems highly recommends the use of a slip-resistant additive to all coatings/systems that may be exposed to wet, oily, greasy or slippery conditions. It is the end user's responsibility to provide a flooring system that meets current safety standards. Westcoat and its distributors will not be responsible for injury incurred during a slip and fall incident. For the current coefficient of friction requirements, please consult your local building codes.

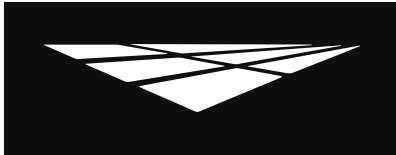
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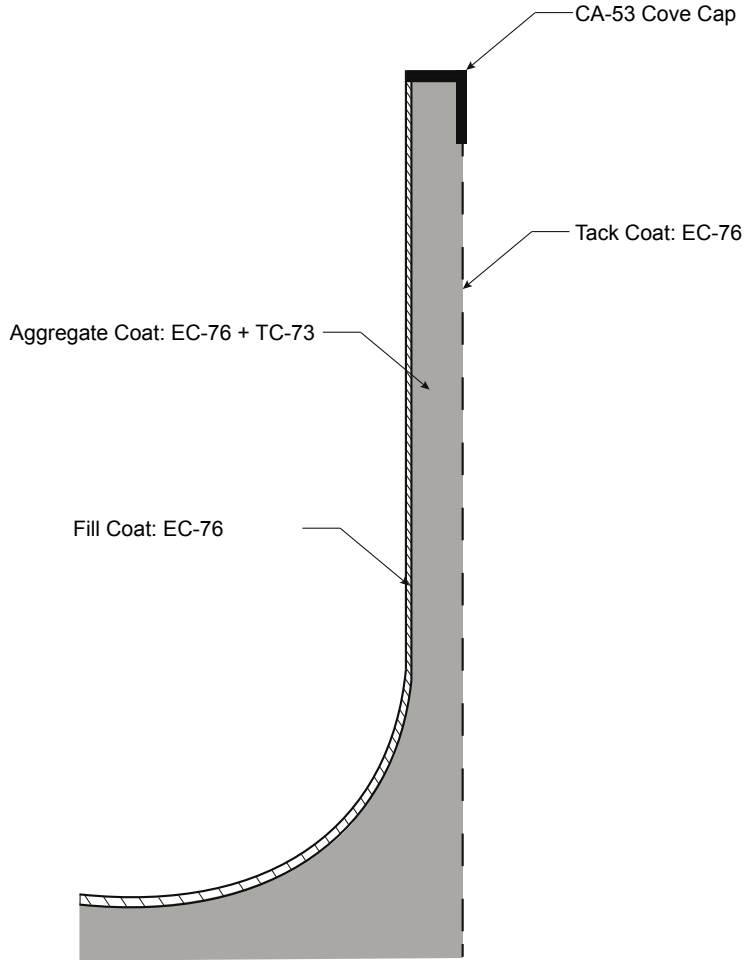
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Coverage Rates

4 inch Epoxy Cove Coverage Rates	
Cove Cap	5 LF per piece
Tack Coat	~292-325 LF per gal
Aggregate Coat	~104 LF per gal
Fill Coat	~260-292 LF per gal

6 inch Epoxy Cove Coverage Rates	
Cove Cap	5 LF per piece
Tack Coat	~225-250 LF per gal
Aggregate Coat	~80 LF per gal
Fill Coat	~200-225 LF per gal



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