



EC

EPOXY COAT
DURABLE RESINS & HARDENERS

EC-76 Cove Gel

Description

EC-76 Cove Gel is a low viscosity, two-component, 100% solids epoxy designed for cove applications. This pre-thickened epoxy is easy to measure and mix. It serves three functions of the cove process.

Uses

The EC-76 is designed for vertical cove applications. It can be used as a Tack Coat, an Aggregate Coat and a Fill Coat, for quartz sand, B-23 or silica sand. It provides medium-build, maximum toughness, and excellent chemical resistance.

Advantages

- Convenient Mixing
- High Build
- Chemical Resistant
- Excellent Durability
- Moisture Tolerant
- Dries Semi-Transparent
- Easy to Use

Packaging

1/2 and 15 gallon kits

INSPECTION / PREPARATION

Inspection

Surface must be structurally sound, dry, and free of oil, grease, curing agents, dirt, dust or other foreign material that may prevent proper adhesion. Surface must be rough or porous.

Preparation

Surface must be properly prepared and primed as specified for system being installed, please read individual System Specification Sheet for details.

APPLICATION

Primer

Not required. The tack coat will act as a primer.

Mixing

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 70°F.

Thinning

Thinning is not recommended.

Coverage

The coverage will vary depending on the process and cove height. Below are coverage rates determined for 6" cove.

- Tack Coat: 225-250 linear feet per gallon
- Aggregate Coat: Combined with aggregate, 40-45 linear feet per gallon
- Fill Coat: 200-225 linear feet per gallon.

Applying Product

Tack Coat: 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 Tack Coat move to the Aggregate Coat.

Aggregate Coat: Mix 48 ounces, by volume, of EC-76 and blend with approximately 25 lbs of B-23 or equivalent aggregate, or 1/2 gallon kit of EC-76 with 100 lbs of B-23 or equivalent aggregate. With a mechanical mixer, mix until all aggregate is completely and evenly coated with EC-76. Apply the 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 Aggregate Coat dry overnight and apply Fill Coat prior to topcoat.

When using 20-30 grit silica sand resin must be increased, mix approximately 75 lbs of aggregate with 1/2 gallon kit of EC-76.

Fill Coat: Mix 2 parts A and 1 part B by volume in a clean container. Apply EC-76 with a sponge float or brush on to the vertical surface to fill the aggregate prior to the clear or pigmented topcoat. Apply as thin as possible, smooth out all brush or trowel marks. EC-76 can be sanded prior to topcoats to ensure a smooth finish.

Dry Time

Dry time is 4 to 5 hours. You may top coat over the EC-76 as soon as material is tacky, but does not pull up.

Clean Up

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

LIMITATIONS

- This product is designed for professional use only.
 - Be sure to measure and mix properly.
 - Do not apply in temperatures below 50°F or above 90°F. Hot or cold weather may effect dry times.
 - 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.
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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.

DISCLAIMER

PURCHASER'S SOLE AND EXCLUSIVE REMEDY AGAINST THE MANUFACTURER OF WESTCOAT, SHALL BE LIMITED SOLELY TO THE REPLACEMENT

OF ANY DEFECTIVE MATERIAL OR A PAYMENT BY THE MANUFACTURER IN AN AMOUNT EQUAL TO THE COST OF THE ORIGINAL MATERIAL.

Physical Properties

Chemical Composition	Bis A Epoxy crosslinked with modified amine
Weight/gal (mix)	9.2
Gloss @60 Degree	100
Solids %/wt (mix)	NA
Solids %/vol (mix)	NA
Viscosity cPs (mix)	NA
Viscosity KU (mix)	NA
VOC gm/l (mix)	0
Shelf Life	1 year
Color (gardner)	NA

Technical Data

Tack Free over concrete @72°F	4.25 hr.
Foot Traffic over concrete @72°F	7 hr.
Foot Traffic -sealed surface- @72°F	NA
Wheel Traffic	72 hr.
Pot Life (Gel Time) 150gm @72°F	.75 hr.
Heat Resistance (constant)	130°F
Heat Resistance (intermitent)	180°F
Adhesion on steel ASTM D3359	5
Adhesion on concrete ASTM D3359	5
Hardness Shore D (ASTM D2240)	76
Reducer/Clean Up	Acetone or PCBTF



westcoat

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