



EC

EPOXY COAT
DURABLE RESINS & HARDENERS

EC-95 Polyurethane Topcoat

Description

Westcoat EC-95 is a two component, polyester, high solids, solvenated, Polyurethane Topcoat. The UV resistant, mar resistant, chemical resistant nature of this product will cause it to outperform most other types of sealers or topcoats when compared. Available in high gloss pigmented and clear. Satin available in clear only.

Uses

EC-95 is designed for professional use only and is specified as the finish coat in moderate to severe chemical environments or in heavy traffic areas. Apply EC-95 as a coating over Westcoat water-based and 100% solids epoxy primers as well as over all of our epoxy floor coatings. EC-95 is used as a sealer on substrates such as plain concrete, Texture-Crete and acid stained concrete flooring. Use on industrial floors, garage floors, decorative floors, restaurant floors, food processing facilities, and automotive service areas.

Advantages

- VOC Compliant
- Chemical Resistant
- Color and Gloss Retention
- Impact and Abrasion Resistant
- Aliphatic Polyester Polyurethane
- Versatile - Spray, Roll or Brush
- 20 Min. Pot Life
- 6 Hour Dry Time
- Can be accelerated

Packaging

1 gallon kits
Available in clear, satin, and 16 standard colors

INSPECTION / PREPARATION

Inspection

Concrete must be clean, dry, and free of grease, paint, oil, dust, curing agents, or any foreign material that will prevent proper adhesion. The concrete should be at least 2500 psi and feel like 60-80 grit sandpaper. The concrete should be porous and be able to absorb water. A minimum of 28 days cured is required on all concrete. A moisture test using a plastic mat should be conducted to verify the surface is dry.

Preparation

Over concrete, shotblasting is the preferred method for preparing concrete when applying epoxy and urethane coatings. When using other methods, prepare the surface so that the product will soak in and properly bond.

As a final coat over epoxy systems EC-95 must be applied within 24 hours. If more than 24 hours have past, lightly abrade the surface and wipe with a solvent such as acetone prior to the application. In most cases you will need to thin the EC-95 prior to application.

APPLICATION

Mixing

Before application, premix part A before adding part B. Add 2 parts of the A-Side to 1 part of the B-Side mix using a mechanical mixer at medium speed. Mix until a homogeneous mixture or color is obtained (at least 3 minutes) and frequently stir to keep uniform color during applications. Use care to scrape the sides of the container to ensure that no unmixed material remains.

Thinning

When applying as a clear sealer directly over Westcoat Texture Crete, or epoxy coatings it is recommended to thin the EC-95 with 25% to 100% of acetone. When applying directly over concrete it is recommended to thin the EC-95 with equal parts of acetone, for maximum penetration thin 2 parts of acetone to 1 part EC-95. Depending on the density of the concrete and build desired. Thinning will aid in penetration, help avoid

bubbles and unevenness. Do not apply the Satin version directly over concrete, always apply a coat of EC-95 clear prior to the application of the EC-95 satin when sealing concrete. All urethanes such EC-95 are sensitive to substrate moisture which may cause whitening and delamination.

Coverage

275-350 sq. ft. per gallon as a coating 2 mils dry
600-800 sq. ft. per gallon as sealer (thin w/acetone)
350-500 sq. ft. per gallon for the satin version

Applying Product

The EC-95 material may be sprayed, rolled or brushed. Apply EC-95 within 24 hours after the epoxy or urethane, is applied. Immediately after mixing, spread a strip of the material onto the surface along the edge where it will be cut in using a brush. Pour the remaining material near

the cut in area and spread evenly using a squeegee or flat trowel and back roll with a 3/8 - 1/2 inch non-shed, solvent resistant roller cover. Apply quickly and do not over roll, as product will begin to "tack-up" as the moisture in the air accelerates the curing.

Re-coat if needed within 24 hours of application to insure adhesion. If a delay occurs, it is recommended that the surface be lightly sanded and wiped with denatured alcohol just before reapplication.

A test area should be performed prior to all recoats.

Dry Time

(77 degrees) Dry to Touch 4-6 hours, Recoat 10-12 hours, Light Traffic 24 hours, Full Cure 7 days.

Clean Up

Equipment should be cleaned with an environmentally safe solvent immediately after use.

LIMITATIONS

- Do not install if the temperature is below 55°F or above 95°F.
- Concrete must be cured for a minimum of 28 days and have less than 5 lbs of moisture per thousand square feet.
- Do not apply the Satin version directly over concrete.
- Do not apply over damp surfaces.
- Do not apply over concrete under hydrostatic pressure.
- EC-95 must be cured for a minimum of 24 hours before coming in contact with water.
- Concrete should be a minimum of 2500 psi.
- Product has a strong odor.
- Extremely flammable. Extinguish all pilot lights and sources of ignition such as electrical motors.
- Do not allow any Westcoat products to FREEZE.

HEALTH PRECAUTIONS

Inhalation of vapor or mist can cause headache, nausea irritation of nose, throat and lungs. Prolonged or repeated skin contact can cause slight skin irritation.

DISCLAIMER

The product selection and responsibility for placement of the product is assumed by the applicator of the product.

TECHNICAL DATA

Shelf Life	6 Months
Mixing Ratio by Volume A:B	2:1
Dry Film Thickness per Coat (ASTM-3363)	3-5 mils.
Flexibility (ASTM D-222)	passes 1/8 inch
Tensile Strength (ASTM D-412)	3980 psi.
Gloss (60 deg)(ASTM D823)	90-95
Gloss Satin (60 deg) (ASTM D823)	50-60
Volume Solids (Clear)	59% by volume
VOC (ASTM D2369-81)	100 g/l or 1 lbs/gal
Pot Life (75 degrees, 1.5 gallon mix)	20 minutes
Taber Abrasion (ASTM D-4060)	(1000 gm. load 1000 cycles, CS 17 wheel) 69 mg. loss
Impact Resistance (ASTM D-2794)	passes 120 inch-pound direct and reverse
Hardness (Konig)	122
Flash Point	A-Side 122F B-Side 122F SETA Flash (ASTM D-3243)

CHEMICAL AND STAIN RESISTANCE (ASTM D-1308 24 HOUR IMMERSION)

Skydrol B-4	No Effect
Hydraulic Fluid #83282	No Effect
25% Nitric Acid	Film Blistered
25% Hydrochloric Acid	No Effect
50% Sulfuric Acid	No Effect
50% Sodium Hydroxide	No Effect
10% Acetic Acid	No Effect
10% Acetic Acid	No Effect
MEK	Film Softened
Xylene	No Effect
Brake Fluid	*No Effect

* Longer exposure will soften the coating



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