



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 pigmented and clear gloss.

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 and 15 gallon kits
Available in clear and 16 standard colors

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

Mixing

Before application, premix part A before adding part B. For color consistency, box all part A's. 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 10% to 50% 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.

Coverage

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

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 $\frac{3}{8}$ - $\frac{1}{2}$ 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-coating

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

You may re-coat as soon as the surface is dry to touch or in about 4-6 hours (but not later than 24 hours). Light foot traffic may be permitted in 12 hours, light vehicle traffic in 48 hours, heavy traffic in 7 days. All times are based on average temperature of 70 degrees and 50% humidity. Cooler temperatures will increase drying time.

Clean Up

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

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.
- EC-95 must be cured for a minimum of 24 hours before coming in contact with water.
- Skid resistant additives are available.
- Please check with local laws governing the use of solvents.
- Do not allow Westcoat products to freeze. Product has a strong odor.
- 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. 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.

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	Saturated polyester crosslinked with aliphatic polyisocyanate	
	Clear	Pigmented
Weight/gal (mix)	9.8	12.0
Gloss @60 Degree	111	103
Solids %/wt (mix)	68	74
Solids %/vol (mix)	59	63
Viscosity cPs (mix)	268	489
Viscosity KU (mix)	56	67
VOC gm/l (mix)	100	100
Shelf Life	1 year	1 year
Color (gardner)	1	NA

Technical Data

	Clear	Pigmented
Tack Free over concrete @72°F	3 hr.	5.25 hr.
Foot Traffic over concrete @72°F	8 hr.	10 hr.
Foot Traffic -sealed surface- @72°F	9.25 hr.	12 hr.
Wheel Traffic	168 hr.	168 hr.
Pot Life (Gel Time) 150gm @72°F	2 hr.	2 hr.
Adhesion on steel ASTM D3359	5	4
Adhesion on concrete ASTM D3359	5	5
Impact Resistance in-lbs direct/reverse	160	160
Hardness Shore D (ASTM D2240)	84	84
Pencil Hardness	3H	4H
Reducer/Clean Up	Acetone or PCBTF	
Flexibility (ASTM D222)	pass 1/8 inch	

Chemical Resistance

	Clear & Pigmented
Muratic Acid (31.5% HCL)	5
Sulfuric Acid (50% H2SO4)	5
Sulfuric Acid (93% H2SO4)	1
Nitric Acid (10% HNO3)	5
Sodium Hydroxide (50% NaOH)	5
Bleach (sodium hypochlorite)	5
Vinegar (3-5% acetic acid)	5
Transmission Fluid	5
Gasoline	5
Brake Fluid	5
409 Surface Cleaner	5
Pine Sol Solution	5
Blood & Body Fluids	5
Iodine Solution	5
Mustard	5/5s
Ketchup	5/5
Red Wine	5/5
Acetone	5
Methyl Ethyl Ketone (MEK)	5
Xylene	5
Ethanol	5
Methanol	5

Key:

- 5 = Best (no effect)
- 4 = Softens (recovers)
- 3 = Softens (no recovery)
- 2 = Blistered (no recovery)
- 1 = Worst Destroyed
- s = With Stain
- * Contact time > 5hrs = 1



westcoat

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