

westcoat[®]
SPECIALTY COATING SYSTEMS

**PRODUCT
SPECIFICATION**

EC

EPOXY COAT
DURABLE RESINS & HARDENERS

EC-95G Gloss Polyurethane Topcoat
(Formerly known as EC-95)

Description

Westcoat EC-95G is a two component, polyester, high solids, solvenated, gloss polyurethane topcoat. The UV, mar and chemical resistant nature of this product allows it to outperform most other types of sealers or topcoats when compared. EC-95G is available in pigmented and clear gloss.

Uses

EC-95G Gloss is designed for professional use only and is specified as the finish coat for use in moderate to severe chemical environments or in heavy traffic areas. Apply EC-95G as a coating over most Westcoat epoxy floor coatings. EC-95G is also used as a sealer on a variety of other substrates such as plain concrete, Texture-Crete™ and stained concrete flooring. Use EC-95G on decorative floors, garage floors, industrial floors, restaurant floors, food processing facilities and automotive service areas where a low maintenance floor is desired.

Advantages

USDA/FDA Compliant • Chemical Resistant • Color and Gloss Retention • Low Maintenance • Impact and Abrasion Resistant • Aliphatic Polyester Polyurethane • Versatile • 6 Hour Dry Time • VOC Compliant • Can be Accelerated

Product Data			
Packaging	1 gal & 15 gal kits	Color	Black, Cape Cod Gray, Clear, Concrete Gray, Deep Tan, Pewter Gray, Safety Blue, Safety Green, Safety Red, Safety Yellow, Stone Gray, Travatan, Tile Red, White
Coverages	~275-350 ft ² / US gal. as a Coating (2 mils dry) ~600-800 ft ² / US gal. as a Sealer (thinned with acetone)	Mix Ratio	2:1 (By Volume)
VOC Content	<100 gm/l	Shelf Life	3 years in unopened packaging

Inspection

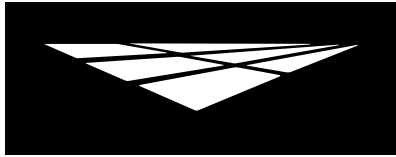
Surfaces must be structurally sound and sloped for drainage. The surface must be dry and free of oil, grease, curing agents, dirt, dust or other foreign material that may prevent proper adhesion. The surface must be porous or rough enough to allow the product to soak in.

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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/24 hours (ASTM F1869) or if the relative humidity (RH) exceeds 75% (ASTM F2170), contact the manufacturer before application.

Preparation

As a final coat over epoxy systems, EC-95G must be applied within 24 hours. If more than 24 hours have passed, lightly abrade the surface and wipe with a solvent such as acetone or alcohol prior to the application. In all cases you will need to thin the EC-95G Gloss prior to application. Prepare concrete to a profile equal to CSP 2 as specified by ICRI. For additional information, please refer to the appropriate System Specification Sheet for additional information.

Mixing

Premix each component separately. For color consistency, box all part A's. In a clean bucket, mix 2 parts A with 1 part B (by volume) of EC-95G. Mix thoroughly with a low speed (400-600 rpm) drill motor for 3-4 minutes. Make sure to scrape the sides and bottom of the container during mixing. After mixing is completed, remove material from container.

Thinning

When applying as a clear sealer directly over Westcoat Texture Crete™ or over epoxy coatings, it is recommended to thin the EC-95G with 10% to 50% of CA-23 or acetone. When applying directly over concrete, it is recommended to thin the EC-95G with equal parts of CA-23 or acetone. For maximum penetration, thin 2 parts of CA-23 or acetone to 1 part EC-95G, depending on the density of the concrete and build desired. Thinning will aid in penetration and help avoid bubbles and unevenness.

Coverage

~275-300 square feet per gallon as a coating (2 mils dry).
~600-800 square feet per gallon as a sealer (thinned with acetone).

Applying Product

EC-95G can be sprayed, rolled or brushed. Apply EC-95G within 24 hours after the epoxy or urethane is applied. When applying over a smooth surface, immediately after mixing, transfer material into a Hudson type or airless sprayer. Spray evenly across entire surface, being sure to achieve full coverage.

When rolling; 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 $\frac{3}{8}$ to $\frac{1}{2}$ inch non-shedding, solvent resistant roller cover. Apply quickly and do not over roll, as product will begin to "tack-up" as the air begins to cure it.

Re-coating

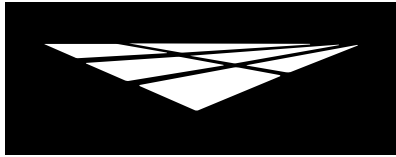
Re-coat if needed, within 24 hours of application to ensure adhesion. If a delay occurs, it is recommended that the surface be lightly sanded and wiped with denatured alcohol just before reapplication. A test area should be performed prior to all re-coats.

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Dry Time

You may re-coat as soon as the surface is dry to the touch (~4 to 6 hours @ 72°F), but no later than 24 hours. Light foot traffic may be permitted in 12 hours, light vehicle traffic in 48 hours and heavy traffic in 7 days. All times are based on average temperature of 70°F and 50% humidity. Cooler temperatures will increase drying time.

Clean Up

Uncured material can be removed with an environmentally safe solvent. Cured material can only be removed mechanically. Equipment should be cleaned immediately after use with an environmentally safe solvent.

Limitations

- This product is designed for professional use only.
- Be sure to measure and mix properly.
- Do not apply when ambient or substrate temperatures are below 50°F or above 90°F. Hot or cold weather will affect dry times.
- EC-95G must be cured for a minimum of 24 hours before coming into contact with water.
- Skid resistant additives are available, such as CA-29, CA-30 or CA-31.
- Please check with local laws governing the use of solvents.
- Do not allow Westcoat products to freeze.
- Product has a strong odor.

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 polyurethanes 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.

Slip Precaution

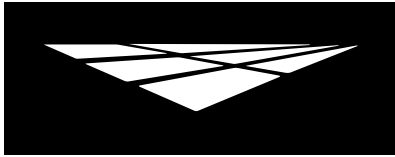
Westcoat Specialty Coatings Systems highly recommends the use of a slip-resistant additive to all coatings/systems that may be exposed to wet, oily, greasy or slippery conditions. It is the end user's responsibility to provide a flooring system that meets current safety standards. Westcoat and its distributors 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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Technical Data

Physical Properties

Chemical Composition	Saturated Polyester Crosslinked with Aliphatic Polyisocyanate	
	Clear	Pigmented
Weight/gal (mix)	9.8	12.0
Gloss @60 Degree	>80*	>80*
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	3 years	3 years
Color (gardner)	1	N/A

* Gloss variation is dependent on dry film thickness and substrate type

Chemical Resistance	Clear & Pigmented
Muriatic 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
Skydrol	5
Acetone	5
Methyl Ethyl Ketone (MEK)	5
Xylene	5
Ethanol	5
Methanol	5

Technical Data

	Clear	Pigmented
Tack Free over concrete @72°F	3 hr.	5.25 hr.
Foot Traffic over concrete @72°F	6-8 hr.	10 hr.
Foot Traffic -sealed surface- @72°F	9.25 hr.	12 hr.
Wheel Traffic	7 days	7 days
Pot Life (Gel Time) 150gm @72°F	2 hr.	2 hr.
Heat Resistance (constant)	250°F	250°F
Adhesion on steel ASTM D3359	5	4
Adhesion on concrete ASTM D3359	5	5
Impact Resistance in-lbs direct/reverse	15/2	Not Tested
Hardness Shore D (ASTM D2240)	84	84
Pencil Hardness	3H	4H
Flexibility (ASTM D222)	Pass 1/8 inch	
Abrasion Resistance CS17 wheel (1000g load) 1000 Cycles	34 mg. loss	
Reducer/Clean Up	CA-23 or Acetone	

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

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