

westcoat®

SYSTEM SPECIFICATION

EC

EPOXY COAT
DURABLE RESINS & HARDENERS

Line Striping System

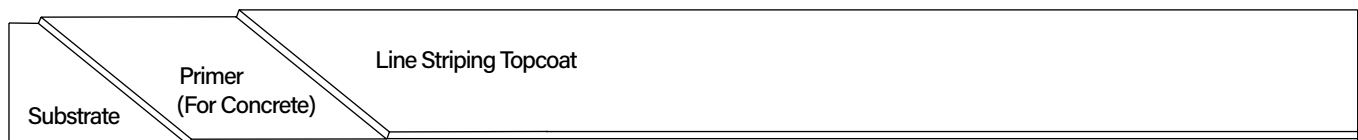
Description

Westcoat's Line Striping System is designed to provide advisory, safety or directional striping guidelines, in tandem with Westcoat's resinous flooring systems or directly over concrete substrates.

Uses

Ideal for use with industrial, military, commercial or retail parking garage surfaces and anywhere a durable, wear-resistant striping material is required.

System Overview



System Data

Coverages	Primer (For Concrete) 250-300 ft ² per gallon	Line Striping Topcoat 300-400 ft ² per gallon
Components	EC-95G Gloss Polyurethane Topcoat	
		Shelf Life 3 years

Advantages

Meets ANSI Color Standards (Safety Yellow) • Chemical Resistant • Quick Drying • Superior Adhesion • UV Stable • Available in Safety Yellow, Safety Red, Safety Blue and Safety Green

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

Prepare concrete to a profile equal to CSP 2-3 as specified by ICRI. Methods may vary according to the condition and hardness of the concrete. Other factors include the forecasted use of the surface and the environment in which it is to be installed. When preparing the surface use caution when shot blasting, scarifying too aggressively, leaving grind marks or grinding too smooth.

When applying over a Westcoat epoxy system, you must apply the Line Striping Topcoat within 24 hours (at 72F degrees) after the final topcoat of the Westcoat System. If applying after 24 hours, the surface must be abraded and wiped with solvent, prior to application.

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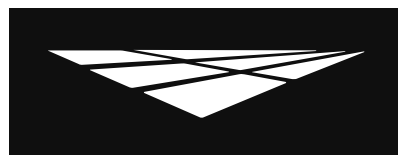


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1 of 4

Line Striping System 12/25

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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), please refer to the EC-15 Moisture Vapor Barrier Product Specification Sheet.

Primer

When applying line stripes directly over concrete, EC-12 Epoxy Primer must be used prior to the Line Striping Topcoat. For best results, apply EC-12 in the same color as the desired Line Striping Topcoat. Mix 2 parts A with 1 part B (by volume) of EC-12 Epoxy Primer together for 3-4 minutes. For best penetration into concrete, thin by adding 1-2 quarts of Westcoat's CA-23 to each 1½ gallon kit. Thinned material must be applied at less than 5 mils. To cure properly, do not allow product to puddle. Immediately apply at a rate of 250-300 square feet per gallon. You may re-coat as soon as the surface is dry to the touch or in about 4-8 hours (but not later than 24 hours).

Line Striping Topcoat

Apply tape as required for the project. Be sure to use a high-quality tape to reduce bleed and tape splitting. For the Line Striping Topcoat, EC-95 Gloss Polyurethane Topcoat should be used. Alternatively, EC-34 Epoxy Topcoat may be used, when a 100% Solids Epoxy is required.

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. Apply EC-95G within 24 hours after the epoxy or urethane is applied. For additional wear-resistance, CA-33 Aluminum Oxide can be used.

Apply EC-95G with a 3 inch to 6 inch wide, ⅜ inch nap, high-quality, non-shedding roller cover, designed for use with solvent-based polyurethanes. When applying the first coat, it is recommended to apply very thin to help reduce bleed and seal the edges of the tape. Multiple thin coats can be applied wet on wet. Apply quickly and do not over roll, as product will begin to "tack-up" as the moisture in the air accelerates the curing. Allow each coat to set for approximately 60 minutes (at 72F degrees) before applying the next coat. Typically, two coats are required for desired hide, but additional coats may be needed, depending on substrate.

Thinning

For best results, thinning is not recommended.

Coverage

EC-95G covers between 300-400 square feet per gallon as a coating.

Refer to Linear Foot Yield Chart on last page for Linear Footage based on Width of Striping.

Dry Time

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.

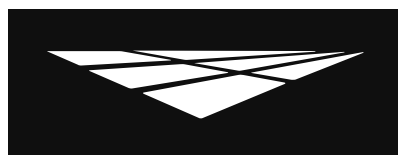
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2 of 4

Line Striping System 12/25



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Optional Materials

Line Striping Topcoat

- When a 100% Solids Epoxy is required, EC-34 Epoxy Topcoat may be used.

Skid/Wear Resistance

- CA-33 Aluminum Oxide can be used in the Line Striping Topcoat for increased wear and skid resistance.

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

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.

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.
- Be sure to measure and mix properly.
- Do not apply in temperatures below 50°F or temperatures above 90°F. Hot or Cold temperatures 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.
- Please check with local laws governing the use of solvents.
- Product has a strong odor.
- 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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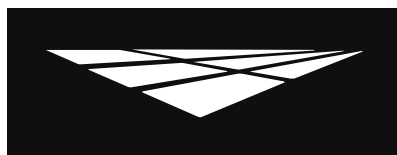


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3 of 4

Line Striping System 12/25



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Technical Data

Physical Properties

Chemical Composition	Saturated Polyester Crosslinked with Aliphatic Polyisocyanate
	Pigmented
Weight/gal (mix)	11.12
Gloss @60 Degree	>95*
Solids %/wt (mix)	80
Solids %/vol (mix)	81
Viscosity cPs (mix)	489
Viscosity KU (mix)	67
VOC gm/l (mix)	100
Shelf Life	3 years
Color (gardner)	N/A

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

Technical Data

	Pigmented
Tack Free over concrete @72°F	5.25 hr.
Foot Traffic over concrete @72°F	10 hr.
Foot Traffic -sealed surface- @72°F	12 hr
Wheel Traffic	7 days
Pot Life (Gel Time) 150gm @72°F	2 hr.
Heat Resistance (constant)	250°F
Adhesion on steel ASTM D3359	4
Adhesion on concrete ASTM D3359	5
Impact Resistance in-lbs direct/reverse	Not Tested
Hardness Shore D (ASTM D2240)	84
Pencil Hardness	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

Chemical Resistance	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

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

Typical Linear Foot Yields / 1 gallon

Width of Line Striping	~3.2 mils thickness	~4.2 mils thickness
3 inches	1600	1200
4 inches	1200	900
5 inches	960	720
6 inches	800	600

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4 of 4

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