

westcoat®

SYSTEM SPECIFICATION

SC

SURFACE COAT
PROTECTIVE SEALERS & STAINS

11-10

Standard Finish

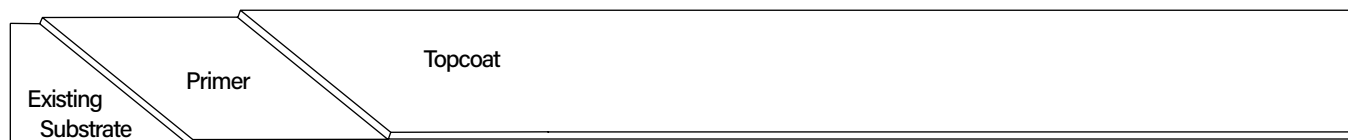
Description

In this two-component system, Westcoat combines the strength and bonding ability of the EC-11 Water-Based Epoxy, with the durability and chemical resistance of our SC-10 Acrylic Topcoat. The SC-10 is a tough, low sheen, wear resistant, easy to clean coating.

Uses

The 11-10 System is designed to be used on concrete, metal, masonry, wood or where a tough, chemical resistant pigmented sealer is needed. The 11-10 System is specially designed to be used as a topcoat for Westcoat Systems, as well as a durable coating over most surfaces when properly prepared.

System Overview



System Data

Coverages	Primer	Top Coat	Optional: 2nd Top Coat
	500-800 ft ² per gallon	200-400 ft ² per gallon	200-400 ft ² per gallon

Components [EC-11 Water-Based Epoxy](#)
[SC-10 Acrylic Topcoat](#)

Shelf Life
3 years
2 years

Advantages

Fast Drying • Durable • Low Sheen • Water-Based • Easy Clean Up • Chemical Resistant • UV Resistant • Excellent Hide and Color Retention • 16 Standard Colors

Inspection

Concrete must be 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, porous and able to absorb water. 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.

Moisture

All concrete should be tested for moisture before applying a seamless coating. If moisture emissions exceed 4% by weight using a concrete moisture meter (ASTM F2659) or if the relative humidity (RH) exceeds 75% (ASTM F2170), contact the manufacturer before application.

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Preparation

Prepare concrete to a profile equal to CSP 3 as specified by ICRI. Over concrete: prepare surface by sanding, grinding, water and/or sandblasting or shot blasting to achieve a clean, porous and uniform surface that will allow product to soak in and bond permanently. Remove mildew or algae using a 50/50 blend of household bleach and water, rinse thoroughly. Note: The most common reason for coating failure is due to lack of preparation. The surface must be porous or rough enough to allow the product to soak in.

Over Previously Coated Acrylic Deck Coatings: Surface must be structurally sound with no peeling or flaking. Prepare surface by scrubbing with a nylogrit brush on a floor buffer, TSP and follow by powerwashing. A compatibility test should be done.

Over sheet metal: Metal should be bonderized, clean and free of rust. If not bonderized, other types of metal (i.e. galvanized, copper and stainless) must be free of oil, grease, dirt or debris and abraded before application.

Crack Treatment

Cracks greater than $\frac{1}{32}$ inch should be routed out $\frac{1}{4}$ inch x $\frac{1}{4}$ inch. Mix 1 part A with 1 part B (by volume) of EC-72 Epoxy Patch Gel together for 3-4 minutes and apply to the crack using a trowel or putty knife. Patch all spalls and cracks with EC-72 and allow to dry 3-4 hours before priming. This remedial approach to patch cracks is not guaranteed and it should be noted that when the substrate moves, it could likely crack the 11-10 System.

Primer

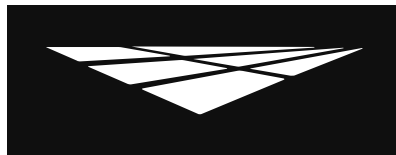
Mix 2 parts A with 1 part B (by volume) of EC-11 Water-Based Epoxy together for 3-4 minutes. For best penetration into concrete, thin by adding up to one gallon of water to each $1\frac{1}{2}$ gallon kit. Thinned material must be applied at less than 3 mils. To cure properly, do not allow product to puddle. Immediately apply at a rate of 500-800 square feet per gallon using a $\frac{1}{4}$ inch nap roller cover. Roll to ensure complete coverage. SC-10 Acrylic Topcoat may be applied as soon as the EC-11 is dry to the touch, (approximately 1 to 4 hours at 70 degrees) but no later than 6 hours. If you are unable to coat over the primer within 6 hours, it is recommended to recoat with EC-11. If recoating after 24 hours (72F degrees and 50% humidity), the EC-11 must be abraded and solvent wiped prior to repriming.

Topcoat

Do not apply if rain is forecast within 48 hours or heavy dew within 24 hours. If multiple batches of SC-10 are present, box all materials prior to use, to ensure color consistency. Use a mechanical mixer at a slow speed and mix material until a homogenous mixture and color is obtained. The material may be thinned by adding up to a maximum of one quart of water per gallon to avoid streaks (especially in hot weather), for the first coat. For best results, it is not recommended to thin the final coat.

Roll one or two thin applications of SC-10 using a $\frac{1}{4}$ inch roller at a rate of 200-400 square feet per gallon. Roll the material in two directions to achieve a uniform finish. Coverage will vary according to texture. Allow SC-10 4-6 hours drying time at 70 degrees before permitting light pedestrian traffic or additional coats are applied. Allow 24 hours to cure before heavy traffic is permitted. Allow 48 hours before heavy objects are placed on the surface and allow 72 hours for vehicular traffic. Allow 5 days prior to any abrasion or chemical exposure.

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If additional skid resistance is required, CA-29 Mini Safe Grip, CA-30 Small Safe Grip or CA-31 Large Safe Grip may be added to the EC-11 and/or the SC-10 (See complete CA-29, CA-30 & CA-31 Product Specification Sheets for more information).

Dry Time

Allow SC-10 4-6 hours drying time at 70 degrees before permitting light pedestrian traffic or additional coats are applied. Allow 24 hours to cure before heavy traffic is permitted. Allow 48 hours before heavy objects are placed on the surface and allow 72 hours for vehicular traffic. Allow 5 days prior to any abrasion or chemical exposure.

Clean Up

Uncured material can be removed with soap and warm water. If cured, material can only be removed mechanically.

Optional Materials**Sealer Options**

- SC-65G WB Gloss Polyurethane Sealer, SC-65F WB Flat Polyurethane Sealer and SC-65SG WB Semi-Gloss Polyurethane Sealer can be used in lieu of SC-10 for a low odor, solvent free, mar and chemical resistant sealer.

Skid Resistance

- CA-29 Mini Safe Grip, CA-30 Small Safe Grip or CA-31 Large Safe Grip can be added to the final coat of SC-10 for added skid resistance.

* Please refer to CA-29, CA-30 & CA-31 Product Specification Sheets for additional information.

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. Be careful not to get on skin, clothes or in eyes. Gloves and respirators are strongly recommended. Avoid breathing vapors. If splashed in the eye, flush with warm water and contact a physician if blurring persists.

Limitations

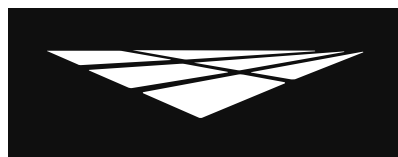
- This system is designed for professional use only.
- Read Product Specification Sheets for every product you will be using before beginning the project.
- Do not apply at temperatures below 50°F or above 90°F.
- A thin coat will not hide shot blast tracks or other blemishes in the subsurface.
- Rain will wash away uncured Westcoat acrylic products. Do not apply if rain is forecasted within 48 hours or heavy dew within 24 hours.
- If inclement weather threatens, cover deck to protect new application.
- Skid resistant additives are available.
- Sealers & Topcoats will make the surface slippery, please be aware of the texture of the surface and how the sealer will affect the look, feel and skid resistance.
- Approval and verification of proposed colors, textures and slip resistance is recommended.
- Do not allow Westcoat products to freeze.

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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.

Test Data

SC-10 Acrylic Topcoat

Physical Properties

Chemical Composition	Acrylic Copolymer Emulsion
Density (#/gal) Colors Vary	8.8-10.8
Specific Gravity Colors Vary	1.05-1.3
Gloss @60 Degree	35-40
Solids %/wt (mix)	49
Solids %/vol (mix)	39
PVC (Pigment to Volume Concentration)	23
Viscosity cPs (mix)	1661
Viscosity KU (mix)	85
VOC gm/l (mix)	<50
Shelf Life	2 years
Flash Point	265°F

Technical Data

Tack Free over concrete @72°F	10 min.
Foot Traffic over concrete @72°F	35 min.
Foot Traffic -sealed surface- @72°F	23 min.
Full Cure @ 6mil	72 hr. *
Pencil Hardness	H
Adhesion on steel ASTM D3359	4
Adhesion on concrete ASTM D3359	4
Sag & Leveling ASTM D4400	8
Reducer/Clean Up	Water

* Product continues to crosslink and harden for 30 days

Chemical Resistance

Muriatic Acid (31.5% HCL)	3s
Sulfuric Acid (50% H2SO4)	4
Sulfuric Acid (93% H2SO4)	1
Nitric Acid (10% HNO3)	3
Sodium Hydroxide (50% NaOH)	5
Bleach (sodium hypochlorite)	5
Vinegar (3-5% acetic acid)	5
Transmission Fluid	5
Gasoline	4
Brake Fluid	5
409 Surface Cleaner	5
Pine Sol Solution	5
Blood & Bodily Fluids	5
Iodine Solution	5
Mustard	5
Ketchup	5
Red Wine	5
Acetone	1
Methyl Ethyl Ketone (MEK)	1
Xylene	1
Ethanol	4
Methanol	4

Key:

5 = Best (no effect)

4 = Softens (recovers)

3 = Softens (no recovery)

2 = Blistered (no recovery)

1 = Worst Destroyed

s = With Stain

* Contact time > 5 hrs = 1

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