

		westcoat®	SYSTEM SPECIFICATION
SC	SURFACE COAT PROTECTIVE SEALERS & STAINS	11-10	Custom Finish

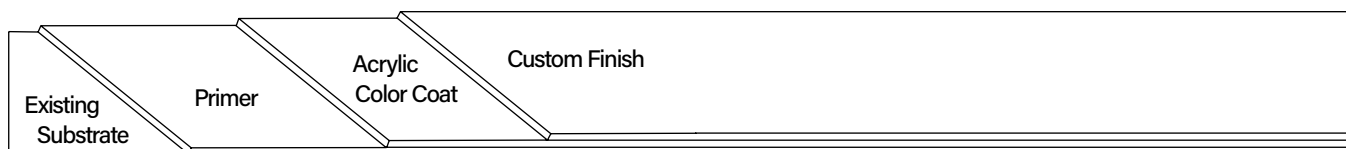
Description

Westcoat 11-10 Custom System combines the strength and bonding ability of the standard 11-10 System with the added decorative appeal of SC-35 Water-Based Stain and the additional durability and chemical resistance of SC-65SG Water-Based Semi-Gloss Polyurethane Sealer.

Uses

The 11-10 Custom System is designed for exterior concrete surfaces, such as stamped concrete. Ideal for patios, walkways, driveways and pool decks. The 11-10 Custom System is suitable for residential and commercial environments.

System Overview



System Data				
Coverages	Primer 500-800 ft ² per gallon	Acrylic Color Coat 200-400 ft ² per gallon	WB Stain 400-600 ft ² per gallon	Sealer 400-650 ft ² per gallon
Components	EC-11 Water-Based Epoxy SC-10 Acrylic Topcoat SC-35 Water-Based Stain SC-65SG WB Semi-Gloss Polyurethane Sealer			Shelf Life 3 years 2 years 2 years 1 year

Advantages

Fast Drying • Durable • Water-Based • Easy Clean Up • Chemical Resistant • UV Resistant • Excellent Hide and Color Retention • Unlimited 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.

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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.

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 1/32 inch should be routed out 1/4 inch x 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 Custom Finish 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 1½ 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 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.

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Acrylic Color Coat

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 ¼ 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.

WB Stain

Apply SC-35 using a pump sprayer, airless sprayer, HVLP sprayer, brush or broom. For a mottled effect, use water to pre-dampen the surface before, or in conjunction with the stain. Multiple colors and various amounts of water may be applied at the same time for a variegated finish. SC-35 can be applied in multiple coats to achieve a solid color. Water-Based Stain can be thinned using water, up to equal parts. Thinning will affect the depth of color and may require extra coats.

SC-35 should be applied at 400-600 square feet per gallon. The coverage will vary depending on the surface. Product performs best if applied in thin, even coats. When temperatures are above 80 degrees, it may be necessary to dampen the surface prior to application to prevent material from drying instantly.

Sealer

For SC-65SG application, pre-mix each component separately. In a clean bucket, mix 3 parts A with 1 part B (by volume) of SC-65SG Water-Based Semi-Gloss Polyurethane Sealer. Mix thoroughly with a low speed (200-300 rpm) drill motor for 2-3 minutes. Make sure to scrape the sides and bottom of the container during mixing. Immediately after mixing, apply the SC-65SG onto the substrate at the rate of 400-650 square feet per gallon. SC-65SG can be sprayed, broomed or rolled. For best results, spray SC-65SG neat, with an airless sprayer. SC-65SG may be applied with a sprayer and back rolled with a ¼ to ⅜ inch, high-quality, non-shedding roller cover or decorative concrete broom, being sure to maintain a wet edge. Alternatively, SC-65SG can be applied with a dip and roll method, as desired.

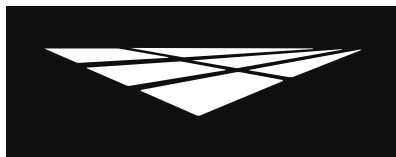
Dry Time

Allow a minimum of 12 hours at 70 degrees, before permitting light foot traffic. Normal traffic may be permitted after 24 hours. Allow 48 hours before placing heavy objects on the surface. For vehicular traffic or exposure to water, allow a minimum of 72 hours.

Clean Up

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

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- CA-29 Mini Safe Grip, CA-30 Small Safe Grip or CA-31 Large Safe Grip can be added to the EC-11, SC-10 or SC-65SG 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.

Slip Precaution

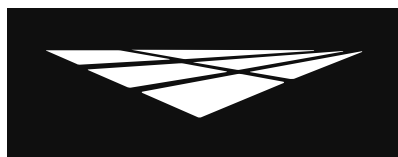
Westcoat Specialty Coatings Systems highly recommends the use of a slip-resistant additive to all coatings/systems that may be exposed to wet, oily, greasy or slippery conditions. It is the end user's responsibility to provide a flooring system that meets current safety standards. Westcoat and its distributors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

SC

SURFACE COAT
PROTECTIVE SEALERS & STAINS

11-10

Custom Finish

SC-65SG WATER-BASED SEMI-GLOSS POLYURETHANE SEALER

Physical Properties

Chemical Composition	Water-Based Polyurethane
Density (#/gal)	9.1
Specific Gravity	1.1
Gloss @60 Degree	40-50
Solids %/wt	60.0
Solids %/vol	56.0
PVC (Pigment to Volume Concentration)	N/A
Viscosity cPs	700
Viscosity KU	76
VOC gm/l	<50
Shelf Life	1 year
Flash Point	N/A

Technical Data

Pot Life (Gel Time) 150gm @72°F	1-1.5 hr.
Tack Free over concrete (@6 mil) @72°F	4 hr.
Foot Traffic -1st coat- over concrete @72°F	8 hr.
Foot Traffic -sealed surface- @72°F	12-16 hr.
Full Cure (@6mil)	72 hr.
Pencil Hardness	2H
Adhesion on Concrete (7 day cure) ASTM D3359	5
Sag & Leveling ASTM D4400	4
Reducer/Clean Up	Water

Chemical Resistance

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 & Bodily Fluids	5
Iodine Solution	5
Mustard	5s
Ketchup	5
Red Wine	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 > 5 hrs = 1

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