



westcoat[®]
SPECIALTY COATING SYSTEMS

**PRODUCT
SPECIFICATION**

SC

SURFACE COAT
PROTECTIVE SEALERS & STAINS

SC-10 Acrylic Topcoat

Description

SC-10 Acrylic Topcoat is a medium viscosity 100% acrylic water-based coating. It is durable yet flexible and is one of the most chemical resistant acrylic resins available. It is a tough, low sheen, wear resistant coating.

Uses

SC-10 is specially designed to be used as a topcoat for the MACoat™, ALX™ and Texture-Crete® Systems, as well as a stand alone coating over concrete when properly prepared. The SC-10 Solar Reflective Series is also designed to be used in the Solar Reflective Finish Systems. SC-10 is an excellent product to recoat many other waterproof acrylic deck coating systems.

Advantages

Fast Drying • Low Sheen • Water-Based • Easy Clean Up • Chemical Resistant-Alkali and Moisture Resistant • UV Resistant • Excellent Hide and Color Retention • 22 Stock Colors and Can be Factory Tinted • 12 Solar Reflective Colors

Product Data

Packaging	1 gal can & 5 gal pail	Stock Colors	Anchor Gray, Arizona Tan, Black, Cape Cod Gray, Cashew, Concrete Gray, Deep Tan, Espresso, Mission Red, Omaha Tan, Pewter Gray, Porcelain, Rocky Nook, Rosewood, Sand, Sandy Beige, Slate Blue, Spanish Brown, Stone Gray, Travatan, Tile Red, White
		SR Series Colors	Butterscotch, Canvas, Coconut, Coral, Heather Gray, Lime, Powder Blue, Salmon, Seaside, SR Gray, SR Tan, Winter Mint
Coverages	~400 ft ² on Smooth Surfaces 125-300 ft ² on Rough Surfaces	Mix Ratio	N/A - May be thinned with water if needed (see "Thinning" paragraph for further information).
VOC Content	<100 gm/l	Shelf Life	2 years in unopened packaging

Inspection

Substrate must be clean, dry, and free of grease, paint, oil, dust, curing agents, or any foreign material that will prevent proper adhesion. Over previously coated systems, surface must be structurally sound with no peeling or flaking. Over sheet metal, metal should be bonderized, clean and free of rust. If galvanized metal is used, it must be free of oil and abraded.

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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), contact the manufacturer before application.

Preparation

For concrete, the surface should be at least 2500 psi and have cured for a minimum of 28 days. Prepare concrete to a profile equal to CSP 2-3. You may mechanically profile by grinding or shot blasting. The concrete should be porous and be able to absorb water. Prior to starting work, test existing concrete slab for efflorescence, moisture and hydrostatic pressure. Vacuum surface entirely and ensure that any dust or contaminants are removed, as these will deter adhesion.

As a topcoat for ALX™, MACoat™ or Texture-Crete®, apply directly over the textured surface. If texture has been left for more than 72 hours or it has become dirty, clean as needed prior to application of SC-10.

Over previously coated acrylic deck coatings, prepare surface by scrubbing with a nylogrit brush on a floor buffer and follow by powerwashing. A compatibility test should be done.

Over sheet metal, the metal should be clean, etched and wire brushed, if needed, to allow product to bond. Remove any mildew or algae using 50/50 water and household bleach. Rinse thoroughly.

Primer Requirements

Over concrete surfaces or previously coated acrylic deck coatings, prime using EC-11 Water-Based Epoxy for best adhesion. SC-10 may also be used as a primer if reduced 50% with water.

Mixing

Use a mechanical mixer at a slow speed, until a homogeneous mixture and color is obtained. For color consistency, box all material to be used on the same project. Use care not to allow the entrapment of air into the mixture.

Thinning

A small amount of water (up to one quart per gallon) may be added to thin the material, in which case two coats are usually recommended. Cutting the product slightly with water and applying thin coats will also help avoid streaks on the surface.

Coverage

Will vary depending on the surface. Up to 400 square feet per gallon on a smooth surface and between 125-300 square feet per gallon on a rough surface.

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Applying Product

Allow the primer or texture to dry completely before applying the SC-10. This product can be sprayed, brushed or rolled. If rolled, neatly cut-in all edges with a brush and roll the center using a $\frac{3}{8}$ inch to $\frac{3}{4}$ inch nap, good quality roller cover. Be sure to spread evenly in a "V" pattern rolling in both directions. Apply the SC-10 thinly using adequate pressure to avoid filling in textured surfaces. In general, the product will perform better if applied in two thin coats.

Dry Time

Allow 2-6 hours between coats and light foot traffic. Normal traffic after 24 hours. Allow 48 hours before placing heavy objects on the surface. Vehicular traffic allow 72 hours.

Clean Up

Uncured material should be removed with soap and warm water. Cured material should be removed mechanically or with an environmentally-safe solvent.

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 product is designed for professional use only.
- Do not apply at temperatures below 50°F or above 90°F. Hot or cold weather may affect dry times.
- Be sure to do adequate surface preparation.
- Do an adhesion test if not applied as part of the standard systems.
- Rain will wash away uncured acrylic products. If inclement weather threatens, cover deck to protect new application.
- Skid resistant additives are available.
- Do not apply if rain is forecast within 48 hours or heavy dew within 24 hours.
- Do not allow any Westcoat products to freeze.

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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 cross-link and harden for 30 days

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 (Semi-Gloss)	35-40
Gloss @60 Degree (Flat)	?????
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

Chemical Resistance

Muriatic Acid (31.5% H CL)	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 & Body 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 > 5hrs = 1

Solar Reflective Properties

SR Series Color	SRI Value
Butterscotch	84 **
Canvas	84 **
Coconut	71 **
Coral	66 **
Heather Gray	63 **
Lime	78 **
Powder Blue	77 **
Salmon	72 **
Seaside	73 **
SR Gray	84 *
SR Tan	91 *
Wintermint	79 **

* Third-party test data. CRRC Prod. ID# 1316-0001 (SR Gray) & 1316-0002 (SR Tan)

** In-House test data

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