



westcoat[®]
SPECIALTY COATING SYSTEMS

**PRODUCT
SPECIFICATION**

SC

SURFACE COAT
PROTECTIVE SEALERS & STAINS

SC-70F Acrylic Lacquer Flat Sealer

Description

SC-70F Acrylic Lacquer Flat Sealer is a clear, single component, VOC compliant solvenated lacquer sealer and glaze. It is a very hard acrylic polymer that is UV and stain resistant and is designed to protect and beautify concrete substrates. The solvent base can help the material to penetrate and adhere to concrete. SC-70F will darken the substrate and produce a flat or "natural look".

Uses

SC-70F is designed to seal, protect and create a "natural look" on concrete and cementitious coatings. Perfect to seal and glaze stamped concrete and acrylic cement toppings, such as Westcoat Texture-Crete[®] or Westcoat's waterproofing systems with a custom finish.

Advantages

Fast Drying • Flat Sheen • VOC Compliant • Easy to Use • Excellent Adhesion • UV Resistant • Lacquer Finish • Easy to Re-coat

Product Data

Packaging	5 gal pail	Colors	Clear with a Flat Finish
Coverages	~200-400 ft ² per gal	Mix Ratio	N/A - Stir prior to use.
VOC Content	<100 gm/l	Shelf Life	5 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.

SC-70F FLAT MUST NOT BE APPLIED DIRECTLY OVER CONCRETE. As a precautionary measure to avoid whitening, apply SC-70F over SC-70 Gloss. Contact your Westcoat representative for further information.

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 sealer 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-70F. Allow to fully dry. Note: The most common reason for coating failure is due to lack of preparation.

DISCLAIMER: PURCHASER'S SOLE AND EXCLUSIVE REMEDY AGAINST THE MANUFACTURER OF WESTCOAT, SHALL BE LIMITED SOLELY TO THE REPLACEMENT OF ANY DEFECTIVE MATERIAL OR A PAYMENT BY THE MANUFACTURER IN AN AMOUNT EQUAL TO THE COST OF THE ORIGINAL MATERIAL.



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Mixing

Stir prior to use.

Thinning

May be thinned up to 25% with CA-23 ThinCoat - Medium Solvent for better absorption, increased coverage, longer working time in hot and arid climates and better ease when spraying. Reducing with solvent and applying in thin coats will help avoid bubbles and streaks in direct sun. Acetone can be used in lieu of CA-23, but will not provide the same benefits as CA-23.

Coverage

Will vary depending on the surface. Up to 400 square feet per gallon on a smooth surface and between 200-300 square feet per gallon on a rough surface. Test area to determine coverage and whether or not a second coat is desired.

Applying Product

Before beginning any project, it is recommended that a mock-up be installed to help indicate the overall look and finish and to determine compatibility to the substrate. Can be sprayed, brushed or rolled. If rolled, neatly cut-in all edges with a brush and roll the center using a ½ inch to ¾ nap, good quality roller cover. Be sure to spread evenly in a "V" pattern, rolling in both directions. Roll product as thin as possible. If spraying, use Hudson type sprayer after thinning.

Please note that SC-70F may turn white when applied directly over concrete, so it is recommended to apply a coat of SC-70 Gloss, prior to applying SC-70F Flat. Prior to application, perform a mock up to confirm desired finish.

Dry Time

SC-70 dries very fast and can be re-coated in as soon as 30 to 60 minutes at 70F degrees. Allow 4 hours before light foot traffic. Normal traffic may be permitted after 24 hours. Allow 48 hours before placing heavy objects on the surface. Allow 72 hours before vehicular traffic.

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. 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.

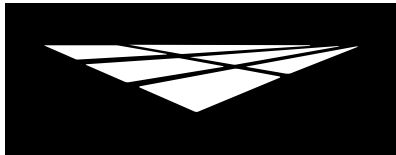
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Limitations

- 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 not apply more than 2 thin coats. Maximum 2-3 dry mils per coat.
- Rain may cause SC-70 to whiten. If inclement weather threatens, cover deck to protect new application.
- Surface will become more slippery with sealers. Skid resistant additives are available.
- Do not apply over SC-10 Acrylic Topcoat or other water-based acrylics.
- Surface can be resealed as needed, approximately every 3-5 years, but avoid excess sealer buildup by recoating too soon or too heavy.
- **DO NOT APPLY DIRECTLY TO CONCRETE.**
- Do not allow any 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.

Technical Data

Tack Free over concrete (@ 6 mils) @72°F	10 min.
Foot Traffic (1st coat) over concrete @72°F	20 min.
Foot Traffic -sealed surface- @72°F	23 min.
Full Cure @ 6mil	72 hr.
Pencil Hardness	HB
Adhesion on concrete ASTM D3359 (7 day cure)	4
Sag & Leveling ASTM D4400	5
Reducer/Clean Up	Acetone

Physical Properties

Chemical Composition	Acrylic MMA
Density (#/gal)	8.44
Specific Gravity	1.1
Gloss @60 Degree	<5.0
Solids %/wt	26.73
Solids %/vol	26.73
Viscosity cPs	140
Viscosity KU	45-55
VOC gm/l	94
Shelf Life	5 years
Flash Point	34°F

Chemical Resistance

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

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