westcoat®
SPECIALTY COATING SYSTEMS

PRODUCT SPECIFICATION

SC | SURFACE COAT
PROTECTIVE SEALERS & STAINS

SC-66 WB Satin Polyurethane Sealer

Description
Westcoat SC-66 is a two component, high solids, water-based, satin polyurethane sealer. This product provides properties equal to that of traditional urethanes with fewer health and environmental concerns. The UV, mar and chemical resistant nature of this product allows it to outperform most other types of sealers.

Uses
SC-66 is specified as the finish coat in moderate to severe chemical environments or in heavy traffic areas. Water-based polyurethanes are low odor, making them user friendly and ideal for interior applications. Apply SC-66 as a sealer over plain concrete, Texture-Crete®, SC-10 Acrylic Topcoat, stained concrete flooring and textured epoxy coatings. Use on decorative floors, garage floors, industrial floors, restaurant floors and automotive service areas.

Advantages
Water-based ▪ Low Odor ▪ VOC Compliant ▪ UV Resistant ▪ Impact and Abrasion Resistant ▪ Easy to Clean ▪ Enhances Color ▪ Non-yellowing ▪ Good Working Time ▪ Improved Dry Time ▪ Excellent Adhesion ▪ USDA & FDA Compliant ▪ Satin Finish

Product Data			
Packaging	1 gal kit & 15 gal kit	**Color**	Clear Satin
Coverages	400-800 ft^2 per gallon	**Mix Ratio**	2:1 (by volume)
VOC Content	<50 gm/l	**Shelf Life**	1 year in unopened packaging

Inspection
SC-66 MUST NOT BE APPLIED DIRECTLY OVER CONCRETE. As a precautionary measure, apply SC-66 over an epoxy or urethane (such as EC-11, SC-65 or SC-67) within 24 hours to eliminate possible whitening issues. Contact your Westcoat representative for further information.

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.

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.

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800-250-4519 ▪ Fax 619-255-7187 ▪ westcoat.com

WP WATERPROOF
RELIABLE MOISTURE BARRIERS

SC-66 WB Satin Polyurethane Sealer

Preparation
Prepare surface by scrubbing, sanding, grinding, waterblasting, sandblasting or shot blasting to achieve a clean, porous and uniform surface that will allow product to soak in and bond permanently. Concrete should be prepared to a minimum surface profile of CSP 2, per ICRI. As a sealer over the ALX™, MACoat™ or Texture-Crete® Systems, 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 the application of SC-66. Note: The most common reason for coating failure is due to lack of preparation.

As a final coat over textured epoxy systems, SC-66 must be applied within 24 hours. If more than 24 hours have past, lightly abrade the surface and wipe with a solvent such as denatured alcohol prior to the application.

Mixing
Premix each component separately. In a clean bucket, mix 2 parts A with 1 part B, by volume, of SC-66. Mix thoroughly with a low speed (200-300 rpm) drill motor for 4-5 minutes. Make sure to scrape the sides and bottom of the container during mixing.

Thinning
When applying as a primer, thin the SC-66 with up to 30% water. For use as a sealer or topcoat, thin up to 10% with water. Thinning may reduce the opacity or hide of the SC-66 and additional coats may be required for the desired finish.

Coverage
400-800 square feet per gallon.

Applying Product
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On textured surfaces, spray the SC-66 evenly onto the surface with a chapin type sprayer and backroll with a high-quality, non-shedding roller cover.

On smooth surfaces, spray SC-66 onto the floor with a chapin type sprayer and backroll with a ¼ inch nap roller. SC-66 can be challenging to apply on smooth precoated floors, such as smooth epoxy floors, as it leaves a slight orange peel texture. Be sure to apply very thin and even by rolling carefully in both directions, being sure not to leave roller marks.

Be sure to apply material thin and do not leave puddles.

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Re-coating
If needed, re-coat within 24 hours of application to ensure adhesion. If a delay occurs, it is recommended that the surface be lightly sanded and wiped with a solvent, such as denatured alcohol, just before reapplication.

Dry Time
You may re-coat as soon as the surface is dry to the touch or in about 4-8 hours. Light foot traffic may be permitted in 12 hours, normal traffic in 24 hours and vehicle traffic in 72 hours. All times are based on average temperature of 70F degrees and 50% humidity.

Clean Up
Equipment should be cleaned with water immediately after use.

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. Avoid contact with skin and wear protective gloves and eye protection. Read Safety Data Sheets prior to using.

Limitations
- This product is designed for professional use only.
- Be sure to do adequate surface preparation.
- *SC-66 MUST NOT BE APPLIED DIRECTLY OVER CONCRETE.* As a precautionary measure, apply SC-66 over an epoxy or urethane (such as EC-11, SC-65 or SC-67) within 24 hours to eliminate possible whitening issues. Contact your Westcoat representative for further information.
- Do not apply in temperatures below 50°F or above 80°F. Hot or cold weather may effect dry times. Avoid application if surface temperature is above 80°F.
- Surface will become more slippery when sealed. Skid resistant additives are available.
- Do not apply over damp surfaces.
- SC-66 must be cured for a minimum of 48 hours before coming in contact with water.
- Do not allow any Westcoat products to freeze.

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Physical Properties

Chemical Composition	Water-Based Polyurethane
Density (#/gal)	9.1
Specific Gravity	1.1
Gloss @60 Degrees	10
Solids %/wt	62.0
Solids %/vol	54.0
PVC (Pigment to Volume Concentration)	NA
Viscosity cPs	660
Viscosity KU	72
VOC gm/l	<50
Shelf Life	1 year
Flash Point	NA

Technical Data

Pot Life (Gel Time) 150gm @72°F	45 min.
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 & Body 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 = Wost Destroyed
s = With Stain
** Contact time > 5hrs = 1*

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