



westcoat[®]
SPECIALTY COATING SYSTEMS

**PRODUCT
SPECIFICATION**

SC

SURFACE COAT
PROTECTIVE SEALERS & STAINS

SC-65 WB Clear Polyurethane Sealer

Description

Westcoat SC-65 WB Clear Polyurethane Sealer is a two component, high solids, water-based, clear polyurethane sealer that is available in Gloss, Semi-Gloss and Flat sheens. SC-65 provides properties equal to that of traditional urethanes (such as, ease of cleanability, gloss retention and excellent abrasion resistance) 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-65 is designed to be used as the finish coat for numerous Westcoat systems, such as: Texture-Crete[®], Grind & Seal and Liquid Dazzle[®] and can be applied over concrete, epoxies and cementitious coatings. SC-65 works well in moderate chemical environments or in medium to heavy traffic areas. Water-based polyurethanes are low odor and non-flammable, making them ideal for interior applications. SC-65 is appropriate for a variety of environments, such as: hospitals, schools, shopping centers, hotels, restaurants, clean rooms, pool decks and shop floors.

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 • LEED Credit Points Available • Multiple Sheens

Product Data			
Packaging	1 gal kit & 20 gal kit	Color	Clear - Gloss, Semi-Gloss & Flat Finishes
Coverages	200-650 ft ² per gallon	Mix Ratio	3:1 (by volume)
VOC Content	<50 gm/l	Shelf Life	1 year in unopened packaging
Certifications	VOC Emission Test Certificate: Berkeley Analytical - Certificate No: 180531-02		

Inspection

Surfaces must be structurally sound and it is recommended that they be sloped to help provide proper 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-65F FLAT MUST NOT BE APPLIED DIRECTLY OVER CONCRETE. As a precautionary measure to avoid whitening, apply SC-65F over an epoxy or urethane, such as EC-11 or EC-32 for interior applications and SC-65G or SC-65SG for exterior applications. Contact your Westcoat representative for further information.

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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

Concrete must be clean, dry and free of grease, paint, oil, curing agents, laitance or any foreign material that will prevent proper adhesion. 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 24 hours or it has become dirty, clean as needed prior to the application of SC-65.

As a final coat over textured epoxy systems, SC-65 must be applied within 24 hours. If more than 24 hours have passed, lightly abrade the surface and wipe with a solvent, such as denatured alcohol, prior to the application.

Note: The most common reason for coating failure is due to lack of preparation.

Mixing

Premix each component separately. In a clean bucket, mix 3 parts A with 1 part B, by volume, of SC-65. 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. For best results, avoid mixing by hand.

Primer

For use as a primer over textured surfaces, SC-65G Gloss or SC-65SG Semi-Gloss may be thinned up to 30% with water. Material must be applied thin and allowed to soak into the substrate, to allow the water to evaporate properly. Do not allow the material to puddle.

Thinning

Thinning is only recommended for use as a primer over concrete or when applying material with a Chapin or pump style sprayer. Thinning is not recommended over smooth and non-porous substrates. Thinning may affect the gloss, sheen and overall appearance of the product.

Coverage

Coverage for the SC-65 is approximately 200 to 650 square feet per gallon.

Smooth Surfaces (such as Liquid Dazzle® or Thin Film 100% Solids): coverage is approximately 400-650 square feet per gallon.

Textured Surfaces (such as Texture-Crete® or diamond ground concrete): coverage is approximately 200-400 square feet per gallon.

Coverage will vary based on the application methods, substrate conditions and overall desired finish.

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Applying Product

The SC-65 material may be rolled, sprayed or broomed. For best results, it is recommended to apply SC-65 neat, with an airless sprayer over smooth or textured surfaces.

Smooth Surfaces: Immediately after mixing, apply SC-65 onto the substrate. Apply with a squeegee and back roll with a ¼ to ⅜ inch, high-quality, non-shedding roller cover, being sure to maintain a wet edge. Alternatively, SC-65 can be dipped and rolled, if desired.

Textured Surfaces: SC-65 can be sprayed and back rolled or broomed. It may need to be thinned with up to 30% water, to allow the material to spray properly. Immediately after mixing, pour activated material into the pump sprayer. Spray SC-65 evenly over the surface and promptly back roll with a ⅜ to ½ inch, high-quality, non-shedding roller cover or broom with a decorative concrete broom. Alternatively, SC-65 can be dipped and rolled, if desired.

For best results, two thin even coats should be applied. Do not over roll or overwork the material. Material must be applied thin and do not allow the material to puddle.

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.

Limitations

- This product is designed for professional use only.
- Be sure to do adequate surface preparation.
- 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-65 must be cured for a minimum of 48 hours before coming in contact with water.
- Do not apply SC-65F Flat directly over concrete.
- Do not allow any Westcoat products to freeze.

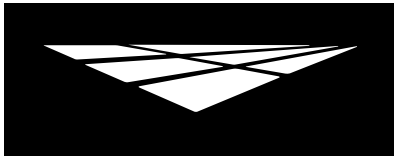
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Health Precautions

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.

Technical Data

Physical Properties

Chemical Composition	Water-Based Polyurethane
Density (#/gal)	10.79
Specific Gravity	1.1
Gloss @60 Degrees (SC-65G Gloss)	>80*
Gloss @60 Degrees (SC-65SG Semi-Gloss)	45-55*
Gloss @60 Degrees (SC-65F Flat)	<10*
Solids %/wt	66 (+/- 1.0)
Solids %/vol	65 (+/- 1.0)
Viscosity cPs	700
Viscosity KU	85-95
VOC gm/l	<50
Shelf Life	1 year
Flash Point	NA

* Gloss variation is dependent on dry film thickness and substrate type

Technical Data

Pot Life (Gel Time) 150gm @72°F	1-1.5 hr.
Mix Ratio	3:1
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 (@ 6 mil)	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
Isopropyl Alcohol (99%)	4
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	5/5s
Ketchup	5/5
Red Wine	5/5
Acetone	5
Methyl Ethyl Ketone (MEK)	5
Xylene	5
Skydrol	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 = Stains but resists degradation

Testing done per ASTM D1308

All Single Numbers = 2 hr Contact time

All Multiple Numbers Separated by a Slash = 2 hr contact time / 24 hr contact time

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