

westcoat®

SYSTEM SPECIFICATION

SC

SURFACE COAT
PROTECTIVE SEALERS & STAINS

Grind & Seal

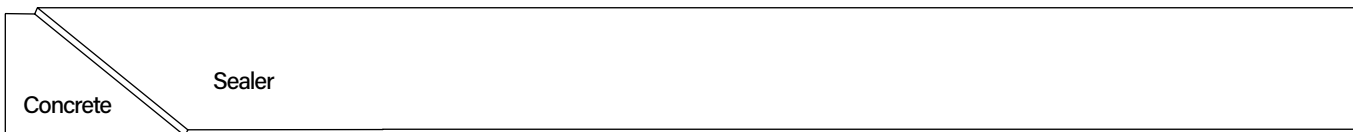
Description

Westcoat's Grind & Seal System is a process of grinding interior concrete floors and applying a clear topcoat or sealer.

Uses

Designed to be applied directly on existing concrete, Westcoat's Grind & Seal System is a perfect way to renew and protect plain or old concrete in showrooms, salons, restaurants and offices, as well as residential and commercial concrete floors. This system is recommended for use on medium to heavy foot traffic, interior floors and provides a fast and durable solution for sealing concrete floors. Westcoat's Grind & Seal System is a chemical resistant and cost-effective alternative to polished concrete. The standard sealer in this system is SC-65SG, which is suitable for medium duty traffic areas. EC-11 is an alternative sealer option suitable for light duty traffic areas. For heavy duty traffic areas, EC-95G may be used.

System Overview



System Data

Coverages

Sealer
300-500 ft²
per gallon

Components

[TC-29 Concrete Patch](#)
[SC-65SG Water-Based Semi-Gloss Polyurethane Sealer](#)
[CA-33 Aluminum Oxide #320](#)

Shelf Life

1 year
1 year
N/A

Advantages

Low VOC • Medium to High Durability • Revives and Protects Old Concrete • Low or High Gloss Sealers • Cost Effective • Water-Based & Solvent-Based Options • USDA & FDA Compliant • May Contribute to LEED Credits • Aluminum Oxide Finish • Chemical Resistant Finish • Alternative to Polished Concrete

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.

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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Concrete Patch

Before or after grinding, the concrete can be patched with TC-29 Concrete Patch. In a clean, dry bucket add four parts TC-29 Concrete Patch to one and a half parts water (by Volume) or a ten pound bag to 40-50 ounces of water, depending on the desired consistency. Mix thoroughly for 1-2 minutes with a low rpm drill. Allow 2-4 hours at 72 degrees before grinding. Cracks, spalls, holes and pits should be overfilled and allowed to dry properly. This remedial approach to patch cracks is not guaranteed and it should be noted that when the substrate moves, the crack may reappear. Repaired areas will be visible.

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

Prepare surface by diamond grinding with 60-80 grit tools to achieve a clean, uniform, porous surface that will allow the sealer to soak into the concrete. Sweep and vacuum surface entirely. Any dust or contaminants will deter adhesion.

Sealer

Pre-mix each component of SC-65SG WB Semi-Gloss Polyurethane Sealer separately. In a clean bucket, mix 3 parts A with 1 part B (by volume) of SC-65SG. 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. SC-65SG may be thinned up to 30% with potable water. For maximum wear resistance, add ¼ to ½ pound (~2-4 ounces by volume) CA-33 #320 and mix into activated product. Immediately after mixing, apply the SC-65SG onto the substrate at a rate of 300-500 square feet per gallon using a "Dip and Roll" method. Roll with a ¾ inch, high-quality, non-shedding roller cover, being sure to maintain a wet edge. SC-65SG may also be applied with an airless sprayer. For best results, two coats are recommended. To ensure an even finish, they must be applied within 24 hours or the cured material must be sanded and wiped with acetone, before application.

Sealer Dry Time

Allow 12-18 hours at 70F degrees between coats and 24 hours before light foot traffic. Normal traffic may be permitted after 48 hours. For vehicular traffic, allow a minimum of 72 hours. See Individual Product Specification Sheet on each sealer for additional information.

Clean Up

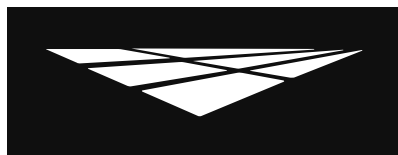
Uncured material can be removed with soap and warm water. If cured, material can only be removed mechanically or with an environmentally safe solvent.

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Optional Materials

Sealer Options

- SC-65G WB Gloss Polyurethane Sealer can be used in lieu of SC-65SG when a water-based gloss polyurethane is required.
- SC-65F WB Flat Polyurethane Sealer can be used in lieu of SC-65SG when a water-based flat polyurethane is required. SC-65F cannot be applied directly to concrete.
- EC-36 100% Solids Epoxy can be used in lieu of SC-65SG when a 100% Solids epoxy topcoat is required.
- EC-11 Water-Based Epoxy can be used in lieu of SC-65SG when a lighter duty, water-based epoxy is required.
- EC-95G Gloss Polyurethane Topcoat can be used in lieu of SC-65SG when a solvent-based polyurethane is required.
- EC-95F Flat Polyurethane Topcoat can be used over EC-95G Gloss when a low gloss, solvent-based polyurethane topcoat is required. EC-95F cannot be applied directly to concrete.

Skid Resistance

- CA-29 Mini Safe Grip, CA-30 Small Safe Grip or CA-31 Large Safe Grip can be added to the final coat of sealer for added skid resistance.
- CA-33 Aluminum Oxide can be used for skid resistance in heavy traffic areas.

* Please read Product Specification Sheets on these products prior to use. SC-65F WB Flat Polyurethane Sealer has a likelihood of turning white when applied directly over a substrate with moisture. Do not apply over an unsealed surface.

Maintenance

Interior Floors can be dust mopped daily or mopped using a neutral pH cleaner. For more information on floor care & maintenance, please refer to the General Maintenance sheet.

The Grind & Seal System should be inspected for wear every 2 to 4 years. The system should be resealed with the appropriate Westcoat clear sealer every 3 to 5 years depending upon traffic and UV exposure. Contact the original Installer of Westcoat for complete re-coating instructions.

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. All epoxies have the potential of causing skin irritation or allergic reactions. 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 such as EC-95G and EC-95F 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 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.
- For interior use only.
- Sealers may enhance or alter the color of the concrete. Be sure to perform a mock-up prior to installation.
- Will not hide imperfections or stains in concrete.
- Sealers will make the surface slippery, please be aware of the existing texture of the concrete and how the sealer will affect the look and feel.
- Approval and verification of proposed colors, textures and slip resistance is recommended.
- Do not allow Westcoat products to freeze.

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