

westcoat[®]
SPECIALTY COATING SYSTEMS

**SYSTEM
SPECIFICATION**

SC

SURFACE COAT
PROTECTIVE SEALERS & STAINS

Grind & Seal

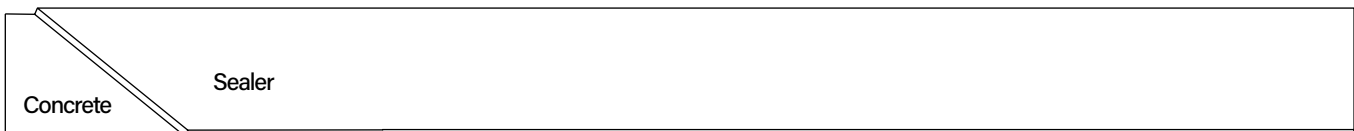
Description

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 EC-11, which is suitable for light and medium duty traffic areas. Alternative sealer options EC-32 and SC-65 are suitable for medium duty traffic areas. For medium to heavy duty traffic areas, EC-95G or EC-95F may be used in lieu of EC-11.

System Overview



System Data

Coverages

Sealer
300-600 ft²
per gallon

Components

[TC-29 Concrete Patch](#)
[EC-11 WB Epoxy Topcoat](#)

Shelf Life

1 year
3 years

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 • Fast Turnaround • Chemical Resistant Finish • Alternative to Polished Concrete

Inspection

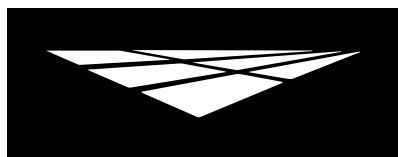
Concrete must be clean, dry and free of grease, paint, oil, dust, curing agents, laitance or any foreign material that will prevent proper adhesion. The concrete should be at least 2,500 PSI, porous and able to absorb water. A minimum of 28 days curing time is required on all concrete. Prior to starting 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.

Concrete Repair

For concrete that needs repairs beyond just dormant cracks, TC-23 Mortar Mix can be used. TC-23 is designed to be used as a general concrete repair mix for horizontal and vertical applications and can be used as a patching/underlayment material under most Westcoat systems. Please refer to the TC-23 Mortar Mix Product Specification Sheet for details.

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

Mix EC-11 (2 parts A with 1 part B together) thoroughly, in a clean bucket. Mix slowly for at least 3-5 minutes and until completely combined. Only prepare the amount that you can use in 4 hours. You may thin up to 50% with water. EC-11 can be applied by rolling or spraying and backrolling with a $\frac{3}{8}$ inch nap, non-shedding roller cover at a rate of 300-600 square feet per gallon. Additional coats may be applied, as needed.

For added slip resistance, CA-29 or CA-30 may be added to the EC-11 at a rate of 32 oz (by volume) per 3 gallons of EC-11. For best results, slip resistant additives should not be applied in the first coat. A mock up should be performed prior to installation, to indicate the desired finish, sheen and slip resistance.

Sealer Dry Time

When using EC-11, allow 1-4 hours between coats and 12-24 hours before light foot traffic. Normal traffic may be permitted after 24-48 hours. For vehicle traffic, allow 7 days. Allow 72 hours before placing heavy objects on the surface.

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.

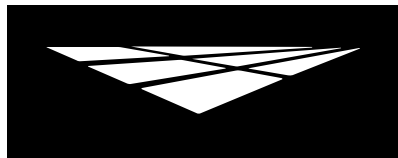
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Optional Materials

Cement Options

- TC-23 Mortar Mix may be used as a general concrete repair mix for horizontal and vertical applications and can be used as a patching/underlayment material.

Sealer Options

- SC-65SG WB Semi-Gloss Polyurethane Sealer can be used for a low odor, solvent free, mar and chemical resistant finish.
- EC-32 Clear Epoxy Topcoat can be used in lieu of EC-11 when a 100% solids epoxy topcoat is required.
- EC-95G Gloss Polyurethane Topcoat can be used in lieu of EC-11 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.

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.

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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