



Description

Westcoat's Water-Based Stain Grind & Seal System is a process of grinding the concrete and applying a water-based stain and sealer. There are no acidic ingredients used, and contains low-VOC making it an environmentally friendly system.

- Renews Old Concrete
- Low or High Gloss
- Easy to use
- Wide array of colors
- No Rinsing Needed
- May contribute to LEED Credits

Uses

Designed to be applied directly on existing concrete primarily on interior floors where a colored stain is desired. A perfect way to color & protect plain or old concrete with medium foot traffic and residential floors.

Packaging

SC-35X Water-Based Stain (1 and 5 gallon pails)
EC-11 Water-Based Epoxy Topcoat (1.5 and 15 gallon kit)

Advantages

- Water Based & Low Odor System
- UV Stable
- Medium Durability

Optional Materials

SC-65 WB Polyurethane Topcoat (1 and 15 gallon kit)
SC-66 Satin WB Polyurethane Topcoat (1 and 15 gallon kit)

INSPECTION / PREPARATION

Inspection

Concrete must be clean, dry, and free of grease, paint, oil, dust, curing agents, or any foreign material that will prevent proper adhesion. The concrete should be at least 2500 psi. The concrete should be porous and be able to absorb water. A minimum of 28 days cure is required on all concrete. Prior to starting work, test existing concrete slab for efflorescence, moisture, and hydrostatic pressure.

Alternatively, you may patch with TC-25; testing has shown the addition of freshly ground concrete dust at about 10-20% will help the patch match the existing substrate. TC-25 will bond very well and allow for grinding within 4 hours at 72°F.

Concrete Patch

Before grinding the concrete can be patched with a mixture of TC-0 and EC-22 at a 1:1 ratio. EC-22 and TC-0 will bond most tenaciously and allow for grinding within 8 hours at 72°F.

Preparation

Prepare surface by diamond grinding with 60-80 grit tools to achieve a clean, uniform surface that will allow Acid Stain to soak in and react with the cement in the concrete. Sweep and vacuum surface entirely.

APPLICATION

WB Stain

Apply SC-35X using a pump sprayer, airless sprayer, brush, or broom. Strain or filter material before pouring into sprayer to avoid clogging. For a mottled effect, use water to predampen the surface before or in conjunction with the stain. Multiple colors and various amounts of water may be applied at the same time for a variegated finish. SC-35X can be applied in multiple coats to achieve a solid color. Water-Based Stain can be thinned using water, up to equal parts. Thinning will effect the depth of color, and may require extra coats.

application to prevent material from drying instantly.

The coverage will vary depending on the surface. Up to 400 sq ft per gallon on a smooth surface and between 150-250 on rough surfaces. Product performs best if applied in thin even coats. When temperatures are above 80° it may be necessary to dampen the surface prior to

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 3/8 inch nap non-shedding roller cover at a rate of 300-600 square feet per gallon.

For added slip resistance add up to 1 quart of CA-30 Safe Grip per 5 gallons of sealer. #30 Silica sand may be broadcasted when extra traction is needed. Quantities may vary.

Sealer Drying Time

Allow 2-6 hours between coats, 12-24 hours before light foot traffic. Normal foot traffic may be permitted after 24-48 hours. For vehicle traffic allow 72 hours. See individual Product Specification Sheet on each sealer for accurate dry times.

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.

Optional Materials

Sealer Options

- SC-65 WB Polyurethane can be used for a low odor, solvent free, chemical, UV and mar resistant finish.
- SC-66 WB Polyurethane can be used for applications where a low gloss, satin finish is desired. SC-66 has a likelihood of turning white when applied directly over a substrate with moisture, do not apply on an unsealed surface.
- See Product Specification sheets for detailed instructions

MAINTENANCE

Interior Floors can be dust mopped daily or mopped using a low pH cleaner. For tougher dirt or grease use CA-24 Westcoat Degreaser diluted with water 20:1 and a soft bristle brush or broom, be sure to rinse well. You may wax interior floors with Westcoat Liquid Floor Wax to renew the gloss if desired. If wax is applied, occasional stripping of the wax may be required.

The Water-Based Stain 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 recoating instructions.

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.
- Be sure to paper off any areas that you do not want stained.
- Will not hide imperfections or stains in concrete.
- Water-Based Stain will stain concrete and can produce a mottled look. Colors and effects will vary.
- Water-Based Stain will fade over time with prolonged exposure to sunlight.
- Sealers will make the surface slippery, please be aware of the existing texture of the concrete and how the sealer will effect the look and feel.
- Approval and verification of proposed colors, textures, and slip resistance is recommended.
- Do not allow Westcoat product to freeze.

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.

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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