

**westcoat**<sup>®</sup>

**SYSTEM  
SPECIFICATION**

**EC**

**EPOXY COAT**  
DURABLE RESINS & HARDENERS

**Thin Film** **Water-Based**

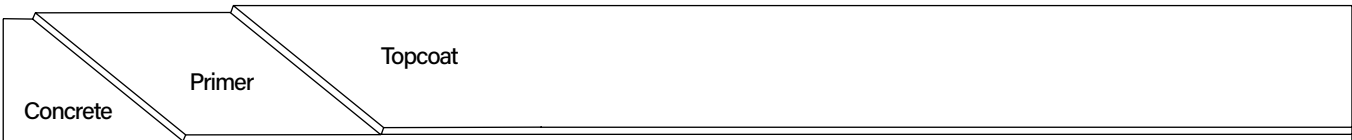
**Description**

Westcoat's Water-Based Thin Film System is an epoxy floor coating which provides a thin build system that is tough, chemical resistant and durable. The WB Thin Film system is installed using a water-based solvent free epoxy.

**Uses**

The WB Thin Film System is designed to be used on showroom floors, restaurant floors, garage floors, washrooms and recreation rooms. Thin Film is a decorative, durable and chemical resistant coating which makes it perfect for residential, commercial and industrial applications. The WB Thin Film System is designed to be used as a light duty coating.

**System Overview**



| System Data       |  |   |
|-------------------|--|---|
| <b>Coverages</b>  | <b>Primer</b><br>300-600 ft <sup>2</sup><br>per gallon                           | <b>Topcoat</b><br>300-600 ft <sup>2</sup><br>per gallon |
| <b>Components</b> | <a href="#">EC-72 Epoxy Patch Gel</a><br><a href="#">EC-11 Water-Based Epoxy</a> | <b>Shelf Life</b><br>2 years<br>3 years                 |

**Advantages**

USDA Compliant • Chemical Resistant • Low Viscosity • Water-Based • Low Odor • Solvent Free • Pigmented • Thin Build • Seamless • Easy Clean Up • Superior Adhesion • High Strength • Slip Resistant Textures Available

**Inspection**

The surface must be structurally sound, 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 and porous or rough enough to allow the product to soak in. 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.

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### Preparation

Pre-cut and clean all cracks and joints with a concrete diamond blade to at least ¼ x ¼ inch. Prepare concrete to a profile equal to CSP 2-3 as specified by ICRI. Methods may vary according to the condition and hardness of the concrete. Other factors include the forecasted use of the surface and the environment in which it is to be installed. When preparing the surface use caution when shot blasting, scarifying too aggressively, leaving grind marks or grinding too smooth.

### 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), please refer to the EC-15 Moisture Vapor Barrier Product Specification Sheet.

### Crack Treatment

Mix 1 part A with 1 part B (by volume) of EC-72 Epoxy Patch Gel together for 3-4 minutes and apply to the crack using a trowel or putty knife. Patch all spalls and cracks with EC-72 and allow to dry 2-3 hours before priming. The material may be slightly overfilled in the crack and when completely dry (in 4-6 hours) can be sanded or ground smooth. If desired, use EC-76 Cove Gel to create cove at the wall to deck transition. Cove may be created using a cove tool. This remedial approach to patch cracks is not guaranteed and it should be noted that when the substrate moves, it could likely crack the Water-Based Thin Film System.

### 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.

### Primer

Mix 2 parts A with 1 part B (by volume) of EC-11 Water-Based Epoxy together for 3-4 minutes. For best penetration into concrete, thin by adding water equal to the A side to each 1½ gallon kit. Thinned material must be applied at less than 3 mils. To cure properly, do not allow product to puddle. Immediately apply at a rate of 300-600 square feet per gallon using a ¾ to ¾ inch nap roller cover. Roll to ensure complete coverage. Be sure to apply up cove to termination point.

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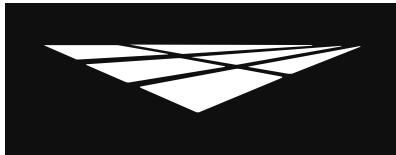


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### **Topcoat**

Mix 2 parts A and 1 part B (by volume) of EC-11 for 3-4 minutes. For color consistency, box all part B's. Apply at approximately 300-600 square feet per gallon with a squeegee and back roll using a high quality non-shedding ¼ to ⅜ inch nap roller.

If additional coats are desired, they must be applied within 24 hours or the cured material must be sanded and wiped with acetone, before application.

Prohibit traffic on floor for 48 hours after installation. Avoid heavy abrasion and chemical exposure for 5 days. Allow 72 hours minimum for vehicular traffic.

### **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-65G WB Gloss Polyurethane Sealer, SC-65F WB Flat Polyurethane Sealer and SC-65SG WB Semi-Gloss Polyurethane Sealer can be applied over the EC-11 within 24 hours, to improve chemical abrasion, UV resistance and Gloss.

#### **Skid Resistance**

- CA-29 Mini Safe Grip, CA-30 Small Safe Grip or CA-31 Large Safe Grip can be added to the EC-11 to produce a skid-resistant surface.
- CA-33 Aluminum Oxide can be used for skid resistance in heavy traffic areas.

#### **Additional Topcoat**

- For an additional topcoat, apply a second coat of EC-11 at approximately 300-600 square feet per gallon.

\* Please refer to Product and System Specification Sheets 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.

### **Maintenance**

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

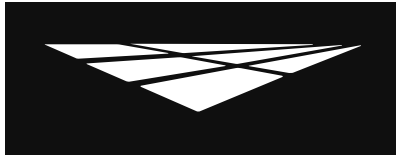
The Thin Film System should be inspected for wear every 2 to 4 years. The system should be resealed with the appropriate Westcoat topcoat every 3 to 5 years depending upon traffic and UV exposure. Contact the original Installer of Westcoat for complete re-coating instructions.

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### 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 irritations 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 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.

### Limitations

- This system is designed for professional use only.
- Read Product Specification Sheets for every product you will be using before beginning the project.
- Be sure to do adequate surface preparation.
- Be sure to measure and mix properly.
- For interior use only.
- Test for moisture in concrete and vapor drive.
- Be aware of the pot life of mixed material.
- Do not apply in temperatures below 50°F or temperatures above 95°F. Cooler temperatures will cause slower dry times.
- Thinly applied coatings may not hide epoxy patches, rough concrete or shotblast tracks.
- Heavier topcoat may become slippery.
- Approval and verification of proposed colors, textures and slip resistance is recommended.
- Do not allow Westcoat products to freeze.

### Slip Precaution

Westcoat Specialty Coatings Systems highly recommends the use of a slip-resistant additive to all coatings/systems that may be exposed to wet, oily, greasy or slippery conditions. It is the end user's responsibility to provide a flooring system that meets current safety standards. Westcoat and its distributors will not be responsible for injury incurred during a slip and fall incident. For the current coefficient of friction requirements, please consult your local building codes.

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