westcoat®
SPECIALTY COATING SYSTEMS

SYSTEM SPECIFICATION

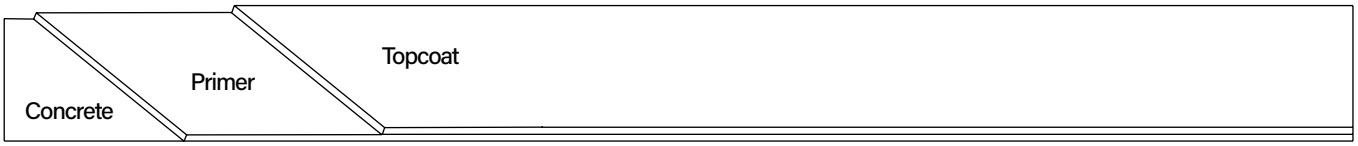
EC EPOXY COAT
DURABLE RESINS & HARDENERS

Thin Film Wall Coating Water-Based

Description
Westcoat's Water-Based Thin Film Wall Coating System is an epoxy wall coating which provides a thin build system, that is tough, chemical resistant, durable and provides a seamless and easy-to-clean surface. The WB Thin Film Wall Coating system is installed using a water-based, solvent free epoxy.

Uses
The Water-Based Thin Film Wall Coating System is designed to be used on walls in a variety of environments, such as food and beverage processing, hospitality, institutional, healthcare and kitchens. The WB Thin Film Wall Coating system can be applied over a variety of substrates, such as concrete, cinder block, drywall and cement plaster walls.

System Overview



System Data

	Primer	Topcoat	
Coverages	350-500 ft² per gallon	400-600 ft² per gallon	
			Shelf Life
Components	EC-72 Epoxy Patch Gel		2 years
	EC-11 Water-Based Epoxy		3 years

Advantages
Chemical Resistant ▪ Low Viscosity ▪ Water-Based ▪ Low Odor ▪ Solvent Free ▪ Low VOC Option ▪ Pigmented ▪ Thin Build ▪ Seamless ▪ Easy Clean Up ▪ Superior Adhesion ▪ Cost-effective

Inspection
The surface must be structurally sound, clean, dry and free of grease, paint, oil, dust, curing agents, laitance, efflorescence 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
For concrete substrates, pre-cut and clean all cracks 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 leaving grind marks or grinding too smooth. Masonry surfaces should be flat and even by grinding, stoning or similar means. Drywall should be finished to a level #5 finish. Please be aware the wall substrate finish will telegraph through the finished coated appearance.

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. Patching may be visible in the finished coated appearance. 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 Wall Coating 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 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. Immediately apply at a rate of 350-500 square feet per gallon using a ⅜ to ½ inch, high-quality, non shedding, nap roller cover. Roll to ensure complete coverage. This material can also be applied with an airless sprayer. Allow ~3-5 hours at 72F degrees for the EC-11 to dry before applying the Topcoat. After the primer coat has dried, it can be sanded as needed to address any surface imperfections or irregularities.

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. Immediately apply at approximately 400-600 square feet per gallon using a ⅜ to ½ inch, high quality non-shedding nap roller cover. This material can also be applied with an airless sprayer.

Additional coats can be applied as desired. Allow ~3-5 hours at 72F degrees for the EC-11 to dry, before applying additional topcoats. They must be applied within 24 hours or the cured material must be sanded and wiped with acetone, before application.

Prohibit use for 72 hours after installation. Avoid heavy abrasion, cleaning and chemical exposure for 5 days. All dry times are based at 72F degrees and 50% RH.

Optional Materials
Cement Options
- TC-23 Mortar Mix may be used as a general concrete repair mix for vertical applications and can be used as a concrete patching material.

Additional Topcoat
- SC-65SG WB Semi-Gloss Polyurethane Sealer can be used as a topcoat for a low odor, solvent free, mar and chemical resistant sealer that offers U.V. Resistance.

* 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
Surfaces can be cleaned with a neutral pH cleaner. For more information on floor care and maintenance, please refer to the General Maintenance sheet.

Westcoat's Water-Based, Thin Film Wall Coating 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.
- Approval and verification of proposed colors, textures and slip resistance is recommended.
- Do not allow Westcoat products to freeze.