



EC

EPOXY COAT
DURABLE RESINS & HARDENERS

Thin Film

100% Solids

Description

Westcoat Thin Film System is an epoxy floor coating, which provides a thin to medium build system that is tough, chemical resistant and durable. The Thin Film System is installed using 100% solids epoxy.

Uses

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

Advantages

- Low Viscosity
- Easy to Clean
- USDA Compliant
- Seamless

- 100% Solids
- Chemical Resistant
- Slip Resistant Textured Available
- High Strength
- Pigmented
- Low Odor
- Medium Build
- Superior Adhesion

Packaging

- EC-72 Epoxy Patch Gel (½ or 2 gallon kits)
- EC-12 Epoxy Primer (1½ and 15 gallon kits)
- EC-34 Epoxy Topcoat (1½ and 15 gallon kits)

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 and feel like 50 to 80 grit sandpaper. The concrete should be porous and able to absorb water. A minimum of 28 days cured is required on all concrete. Before starting flooring work, test existing concrete slab for efflorescence, moisture, and hydrostatic pressure.

Moisture

All concrete should be tested for moisture before applying a seamless coating. Water vapor transmission upwards through on-grade concrete slabs may result in loosening of epoxy floors or improper curing of epoxy materials. If moisture emissions exceed 5 lbs./1000 sq ft. contact the manufacturer before application.

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 50 to 80, grit sandpaper. You may mechanically profile by grinding, shot blasting, scarifying, or water blasting. Methods may vary according to the thickness of the coating to be applied and 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 around pools, scarifying too aggressively, leaving grinding marks or grinding too smooth.

APPLICATION

Crack Filler

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. The material may be slightly overfilled in the crack and 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 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 Thin Film System.

Primer

Mix 2 parts A with 1 part B (by volume) EC-12 Epoxy Primer together for 3-4 minutes. Immediately apply at a rate of 250-300 (5-8 mils) square feet per gallon using a trowel or squeegee and then back roll to ensure complete coverage. Be sure to apply up cove to termination point.

For maximum penetration into the concrete, thin by adding 1-2 quarts of acetone to each 1½ gallon kit. Thinned material must be applied at no more than 5 mils (and not allowed to puddle) to cure properly.

Topcoat

Mix 2 parts A with 1 part B, by volume, of EC-34 Epoxy Topcoat together for 3-4 minutes, for color consistency, box all part A's. Apply at a rate of 100-200 square feet per gallon (8-16 mils) using a notched squeegee or trowel and back-roll using a high quality non-shedding 1/4 to 3/8 inch nap roller.

Optional Materials

Skid Resistance

- CA-30 or CA-31 Safe Grip maybe added to the EC-34 for skid resistance.
- TC-70 Silica Sand at 20-30 mesh can be broadcasted into the primer or topcoat and backrolled for skid resistance.

Additional Topcoat

- For an additional topcoat, apply a second coat of EC-34 at approximately 300-400 square feet per gallon (4-5 mils).
- For greater chemical, UV and mar resistance apply EC-95 Polyurethane Topcoat at approximately 200-300 square feet per gallon (5-8 mils).

Antimicrobial Coating

- EC-40 Antimicrobial Epoxy can be used in areas that require an anti-fungal coating.
- See Product Specification sheets for detailed instructions

Recoating

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.

Protection of Finished Work

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.

Clean Up

Uncured 100% solids epoxy material can be removed with solvent. 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 low pH cleaner. For more information on floor care & 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 recoating instructions.

LIMITATIONS

- This system is designed for professional use only.
- Read individual Product Specification sheets for each product you will be using before beginning the project.
- For interior use only.
- Be sure to do adequate surface preparation.
- Test for moisture in concrete and vapor drive.
- Be sure to measure and mix properly. Be aware of the pot life of mixed epoxy.

- Do not apply in temperatures below 50°F or above 90°F. Cooler temperatures will cause slower dry times.
- Do not allow Westcoat product to freeze.
- 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.

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.

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.

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

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.

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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