



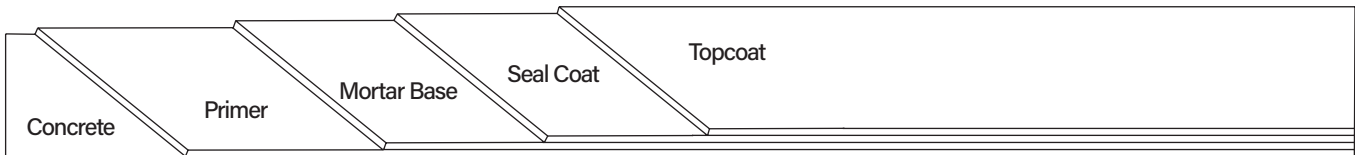
Description

Westcoat's Epoxy Mortar System is a 100% solids epoxy, combined with graded sand and troweled into place. It provides a high-build system that is highly impact resistant, chemical resistant and very durable.

Uses

Epoxy Mortar is used to create seamless floors in manufacturing plants, mechanical rooms, warehouses, commercial kitchens, restaurants, garages and service areas where heavy use, such as forklift traffic, occurs. Epoxy Mortar System is designed to be used as a heavy duty coating.

System Overview



System Data				
Coverages	Primer 250-300 ft ² per gallon	Mortar Base 45 ft ² at 1/4 inch per batch 60 ft ² at 3/16 inch per batch	Seal Coat 75 ft ² per gallon	Topcoat 250-300 ft ² per gallon
Components	<u>EC-72 Epoxy Patch Gel</u> <u>EC-76 Cove Gel</u> <u>EC-12 Epoxy Primer</u> <u>EC-32 Clear Epoxy Topcoat</u> <u>EC-34 Epoxy Topcoat</u> B-23 Monterey Sand		Shelf Life 2 years 2 years 2 years 2 years 2 years N/A	

Advantages

USDA Compliant • Impact Resistant • 100% Solids • Low Odor • High Strength • High Build • Superior Adhesion • Chemical Resistant • Wear Resistant • Choice of Colors

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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**SYSTEM
SPECIFICATION**

EC

EPOXY COAT
DURABLE RESINS & HARDENERS

Epoxy Mortar

Standard

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.

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. This remedial approach to patch cracks is not guaranteed and it should be noted that when the substrate moves, it could likely crack the Epoxy Mortar System.

Cove Base

Install cove cap or cut a reglet at the desired height (usually 6 inches). Mix 2 parts A with 1 part B (by volume) of EC-76 Cove Gel together for 3-4 minutes and spread as thin as possible onto the vertical surface. Immediately, using the same neat mix, combine with 5 parts B-23 Monterey Sand and trowel into place using an inside step tool and trowel to smooth. Lubricate the trowel using a solvenated rag, as needed, to keep tools clean.

Primer

Mix 2 parts A with 1 part B (by volume) of EC-12 Epoxy Primer together for 3-4 minutes. For best penetration into concrete, thin by adding 1-2 quarts of Westcoat's CA-23 to each 1½ gallon kit. Thinned material must be applied at less than 5 mils. To cure properly, do not allow product to puddle. Immediately apply at a rate of 250-300 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. Mortar Base should be troweled into the wet primer to reduce the Mortar Base from sliding on the surface. If unable to trowel the Mortar Base into the wet primer, broadcast sand into the EC-12 Primer and allow to dry, before applying the Mortar Base.

Mortar Base

Mix 2 parts A with 1 part B (by volume) of EC-32 Clear Epoxy Topcoat together for 3-4 minutes and combine with 100 pounds of B-23 Monterey Sand or equivalent. Apply at a rate of 45 square feet per mix at ¼ inch or 60 square feet per mix at ⅜ inch. Trowel material into place and lubricate the trowel using a solvenated rag, as needed, to keep tools clean.

Preparation

Pre-cut and clean all cracks and joints with a concrete diamond blade to at least ¼ x ¼ inch. Cut ¼ x ¼ inch keyways six inches from all walls, drains and both sides of control joints at regular intervals 10 feet apart throughout the surface. All floor drains and termination points must have a ½ inch x ½ inch keyway. Prepare concrete to a profile equal to CSP 4-6 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.

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Seal Coat

Sand, grind and repair imperfections in the surface. Mix 2 parts A with 1 part B (by volume) of EC-34 together for 3-4 minutes and apply at a rate of 75 square feet per gallon. First, brush to fill all of the vertical cove and then using a squeegee or trowel spread the material onto the floor and back roll to smooth and fill using a high quality non-shedding ¼ inch nap roller. Coved areas may require additional coats to properly seal.

Topcoat

Mix 2 parts A and 1 part B (by volume) of EC-34 for 3-4 minutes. For color consistency, box all part A's. Apply at approximately 250-300 square feet per gallon.

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

Skid Resistance

- CA-30 Small Safe Grip or CA-31 Large Safe Grip can be added to the EC-34 to produce a skid-resistant surface.

Additional Topcoat

- EC-95 Polyurethane Topcoat can be applied over the epoxy within 24 hours to improve chemical abrasion and UV resistance, as well as gloss.
- EC-101 Polyaspartic 100% Solids may be used as a non-yellowing, high gloss, quick drying, high build, mar and chemical resistant finish with outstanding wear resistance.
- EC-102 Polyaspartic is recommended when tire staining is a concern and also provides a quick drying, UV resistant, high gloss, high build, mar and chemical resistant finish.
- EC-50 Novolac may be used as a final topcoat for extreme chemical or heat conditions.

* Please refer to Product and System Specification Sheets for additional information.

Clean Up

Uncured 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 and maintenance, please refer to the General Maintenance sheet.

If re-coating of the floor is required due to wear or abrasion, you will need to clean and degrease the surface, then lightly abrade and reapply the topcoat. In most cases, you will need to clean the surface with a solvent such as acetone and thin the new topcoat as well. A primer may be required. We suggest you re-coat at 5 years, depending on use. Contact Westcoat or your applicator for details.

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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.
- 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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