

westcoat[®]
SPECIALTY COATING SYSTEMS

**SYSTEM
SPECIFICATION**

EC

EPOXY COAT
DURABLE RESINS & HARDENERS

Liquid Granite™ and Liquid Terrazzo™

Description

Westcoat's Liquid Granite™ and Liquid Terrazzo™ are floor coating systems with Color Chips broadcast into a 100% Solids pigmented epoxy and sealed with a clear Polyaspartic topcoat. The Liquid Granite™ is a full broadcast color system and the Liquid Terrazzo™ is a light broadcast color system.

Uses

Liquid Granite™ and Liquid Terrazzo™ are designed for use in showrooms, restaurants, garages, recreation rooms, washrooms and kitchens. These systems are a decorative, durable, chemical resistant coating, which makes it perfect for residential and commercial applications. Liquid Granite™ and Liquid Terrazzo™ are designed to be used as a light duty coating.

System Overview



System Data					
Coverages	Primer 250-300 ft ² per gallon	Epoxy Broadcast Coat 175-225 ft ² per gallon	Color Chip Granite Look 10 ft ² per pound	Color Chip Terrazzo Look 100 ft ² per pound	Topcoat 200-300 ft ² per gallon
Components	EC-72 Epoxy Patch Gel EC-12 Epoxy Primer EC-34 Epoxy Topcoat EC-102 Polyaspartic TC-60 Color Chips		Shelf Life 2 years 2 years 2 years 2 years n/a		

Advantages

- USDA Compliant
- Chemical Resistant
- 100% Solids
- High Build
- Seamless
- Easy Clean Up
- Durable
- Decorative
- Choice of Colors
- Can be Installed Solvent Free

Inspection

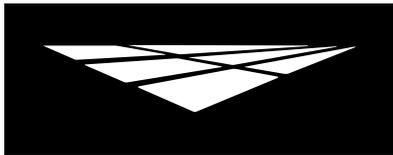
The surface must be structurally sound, clean, dry and free of grease, paint, oil, dust, curing agents, laitance or any foreign material that will prevent proper adhesion. The concrete should be at least 2,500 PSI and porous or rough enough to allow the product to soak in. A minimum of 28 days curing 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. This remedial approach to patch cracks is not guaranteed and it should be noted that when the substrate moves, it could likely crack the Liquid Granite™ or Liquid Terrazzo™ 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-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.

Broadcast Coat

Mix 2 parts A and 1 part B (by volume) of EC-34 Epoxy Topcoat. For color consistency, box all part A's. Apply at the rate of 175-225 square feet per gallon.

Granite Look: Broadcast pre-mixed color chips into the wet EC-34 to refusal (until no shiny spots are evident), at approximately 10 square feet per pound. After the EC-34 has cured, sweep excess chips and sand or scrape aggressively with a drywall scraper. Sweep again and vacuum loose chips.

Terrazzo Look: Sprinkle pre-mixed color chips into the wet base coat evenly at approximately 100 square feet per pound. After the base coat has cured, you may scrape or lightly sand the surface to smooth the chips. Sweep, blow or vacuum any loose chips.

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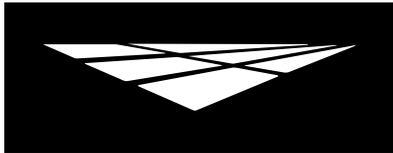


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Topcoat

Premix each component separately. In a clean bucket, mix 1 part A with 1 part B, by volume of EC-102 Clear Polyaspartic. Mix thoroughly with a low speed (400-600 rpm) drill motor for 2-3 minutes. Make sure to scrape the sides and bottom of the container during mixing. Immediately after mixing, pour activated product on the substrate. Apply EC-102 Clear Polyaspartic at approximately 200-250 square feet per gallon. After the topcoat has dried, you may sand or scrape rough spots and apply a second coat of EC-102 at approximately 200-300 square feet per gallon.

If additional coats are desired, it is recommended that the surface be lightly sanded and wiped with denatured alcohol just before reapplication. A test area should be performed prior to all re-coats.

Dry Time

You may re-coat as soon as the surface is dry to the touch (~3 to 5 hours @ 72°F), but no later than 24 hours. All times are based on average temperature of 72°F and 50% humidity. Dry times may increase slightly when solvent is added. Prohibit traffic on the floor for 48 hours after installation. Allow 72 hours minimum for vehicular traffic. Avoid heavy abrasion and chemical exposure for 5 days.

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.
- TC-29 Concrete Patch may be used to patch and fill holes, spawls and minor cracks.

Primer Coat

- For lighter duty uses and when a faster turnaround is needed, EC-102 can be used as a primer. When using EC-102 as a primer, thin with 20% CA-23 and apply at a rate of 400-500 square feet per gallon. Broadcast coat may be applied as soon as the primer is dry to handle or approximately 1-4 hours at 72F degrees and 50% humidity.

Broadcast Coat

- For smaller projects, EC-36 100% Solids Epoxy plus the desired CA-36 Epoxy Color Pack can be used in lieu of EC-34 for the Broadcast Coat.
- For greater UV protection and faster installation, EC-101 Polyaspartic 100% Solids may be used for the broadcast coat and topcoat applications.
- For Vehicular Traffic or when a faster drying Broadcast Coat is required, it is recommended to use EC-102 Polyaspartic. EC-102 may be used for the broadcast coat and topcoat applications and provides greater UV protection and chemical resistance.

Topcoat

- For smaller projects, EC-32 or EC-36 100% Solids Epoxy can be used in lieu of EC-102 for the Topcoat.

Water-Based System

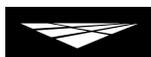
- For a completely water-based, faster installation, EC-11 Water-Based Epoxy may be used for the primer, broadcast coat and topcoat applications.

Skid Resistance

- CA-30 Small Safe Grip or CA-31 Large Safe Grip can be added to the EC-102 to produce a skid-resistant surface.
- CA-33 Aluminum Oxide can be used for skid resistance in heavy traffic areas.

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

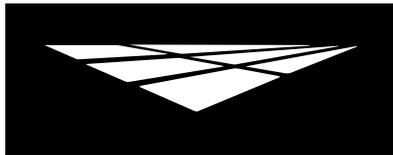
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Clean Up

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 neutral pH cleaner. For more information on floor care and maintenance, please refer to the General Maintenance sheet.

The Liquid Granite/Terrazzo™ 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.

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 90°F. Cooler temperatures will cause slower dry times.
- Exceeding the maximum thickness per coat of ≤ 6 dry mils may reduce the hardness of the EC-102 and may increase the chance of tire staining.
- Permitting tire traffic prior to the 72 hour cure, may lead to plasticizer migration or tire staining.
- Thinly applied coatings may not hide epoxy patches, rough concrete or shotblast tracks.
- EC-102 must be cured for a minimum of 48 hours before coming in contact with water.
- EC-102 has odor.
- Heavier topcoat may become slippery.
- Approval and verification of proposed colors, textures and slip resistance is recommended.
- Do not allow Westcoat products to freeze.

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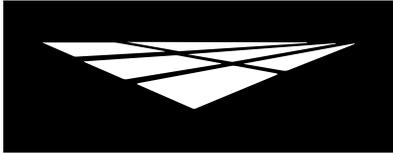


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Slip Precaution

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.

Suggested Base Colors

Color Chip Blend	Liquid Granite™ Suggested Base Colors	Liquid Terrazzo™ Suggested Base Colors
Sandstone	Travatan	Travatan or Deep Tan
Shadow	Cape Cod Gray or Pewter Gray	Pewter Gray, Cape Cod Gray or Black
Atascadero	Travatan or Deep Tan	Travatan or Deep Tan
Dove Gray	Cape Cod Gray or Pewter Gray	Pewter Gray or Cape Cod Gray
Granite	Cape Cod Gray or Pewter Gray	Pewter Gray, Cape Cod Gray or Black
Storm Cloud	Concrete Gray or Cape Cod Gray	Pewter Gray, Cape Cod Gray or Black
Niagara	Cape Cod Gray	Pewter Gray or Cape Cod Gray
Mocha Tweed	Deep Tan or Travatan	Travatan, Deep Tan or Tile Red
Desert Storm	Travatan	Travatan, Deep Tan or Black

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