

westcoat®

SYSTEM SPECIFICATION

EC

EPOXY COAT
DURABLE RESINS & HARDENERS

Liquid Dazzle®

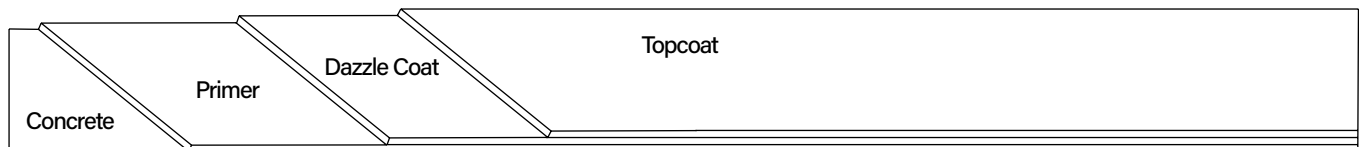
Description

Liquid Dazzle® is a 100% solids epoxy floor coating system. There are proprietary metallic additives in EC-38 Liquid Dazzle® Epoxy that create an evolving drift dynamic in this extraordinary floor coating system. Liquid Dazzle® is a decorative, durable, mar and chemical resistant coating, available with a high gloss or flat finish.

Uses

Liquid Dazzle® is designed for use in hotels, casinos, showrooms, salons, restaurants and residential floors. Liquid Dazzle® is designed to be used on interior floors when a truly unique floor coating is desired.

System Overview



System Data

Coverages	Primer	Dazzle Coat	Topcoat	System Thickness
	250-300 ft ² per gallon	50 ft ² per gallon	600-700 ft ² per gallon	38-42 mils DFT
Components	EC-72 Epoxy Patch Gel EC-12 Epoxy Primer EC-38 Liquid Dazzle Epoxy SC-65SG Polyurethane Sealer CA-33 Aluminum Oxide #320			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 • Variety of Colors • Unique Effects

Inspection

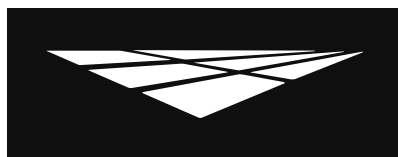
The surface must be structurally sound, clean, dry and free of grease, paint, oil, dust, curing agents, laitance or any foreign material that will prevent proper adhesion. The concrete should be at least 2,500 PSI and porous or rough enough to allow the product to soak in. A minimum of 28 days curing time is required on all concrete. Prior to starting work, test existing concrete slab for efflorescence, moisture and hydrostatic pressure.

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1 of 5
Liquid Dazzle® 2/26

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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 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.

Ensure the concrete is very level. Any high or low spots will affect the final look of the Liquid Dazzle® floor.

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 Dazzle® System.

Primer

Due to the transparency of the EC-38, the primer must be pigmented. For best results, choose a primer similar in color to the EC-38 color being used (Refer to "Recommended Primer Colors" in this specification sheet). Choosing a lighter or darker primer may affect the final look. 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. A second coat of primer may be needed to completely seal the concrete to reduce the possibility of bubbling. Allow primer to cure a minimum of 12 hours at 70 degrees before applying the Dazzle Coat.

Dazzle Coat

Combine all of the A sides to ensure consistent color. Mix 2 parts A and 1 part B (by volume) of EC-38 for 4 to 5 minutes or until completely mixed. Immediately apply EC-38 with a ⅝ inch notched trowel, being sure to get even coverage over the entire floor. Back roll the EC-38 with a loop roller to create an even look. To help reduce the possibility of bubbles, you may use a porcupine roller at this stage of the application.

To avoid bubbles, best to apply EC-38 when temperature is dropping and in an area that is not in direct sunlight. After loop and porcupine rolling, the dynamic drift begins to change the look of the coating. Coverage of the EC-38 is approximately 50 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.

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2 of 5

Liquid Dazzle® 2/26



Topcoat

Pre-mix each component of SC-65SG WB Semi-Gloss Polyurethane Sealer separately. In a clean bucket, mix 3 parts A with 1 part B (by volume) of SC-65G Water-Based Semi-Gloss Polyurethane Sealer. SC-65SG may be thinned up to 10% with potable water. Mix thoroughly with a low speed (200-300 rpm) drill motor for 2-3 minutes. For maximum wear resistance, add ¼ to ½ pound (~2-4 oz by volume) of CA-33 #320 and mix into activated product. Make sure to scrape the sides and bottom of the container during mixing. Immediately after mixing, apply the SC-65SG onto the substrate at a rate of 600-700 square feet per gallon using a "Dip and Roll" method. Back roll with a ¼ inch, high-quality, non-shedding roller cover, being sure to maintain a wet edge. For best results, two coats may be needed. They must be applied within 24 hours or the cured material must be sanded and wiped with acetone, before application.

Dry Time

You may re-coat as soon as the surface is dry to the touch or in about 4-8 hours. Light foot traffic may be permitted in 12 hours, normal traffic in 24 hours and vehicle traffic in 72 hours. All times are based on average temperature of 72F degrees and 50% humidity. Avoid heavy abrasion and chemical exposure for 5 days.

Optional Materials

Flex Epoxy Membrane

- When a 100% flexible epoxy membrane is required, Westcoat's Flex Epoxy System may be installed prior to installing the Liquid Dazzle System.

Topcoat

- For a low-maintenance flat finish, SC-65F WB Flat Polyurethane Sealer or EC-95F Flat Polyurethane may be used in lieu of SC-65SG.
- For increased gloss, SC-65G WB Gloss Polyurethane Sealer or EC-95G Gloss Polyurethane may be used in lieu of SC-65SG.

Skid Resistance

- CA-30 Small Safe Grip or CA-31 Large Safe Grip can be added to the SC-65SG to produce a skid-resistant surface.
- CA-33 Aluminum Oxide can be used for skid resistance in heavy traffic areas.

* All sealers will affect final finishes. We recommend large format samples be created for approval prior to application.

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

Clean Up

Uncured material can be removed with solvent or in the case of SC-65, it can be removed with 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 Liquid Dazzle® 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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3 of 5
Liquid Dazzle® 2/26



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.
- Liquid Dazzle may not hide epoxy patches, rough concrete or shot blast tracks. Be sure to patch and prime until surface is smooth, even and very level.
- 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.
- Heavier topcoat may become slippery.
- Skid resistant additives are available.
- 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.

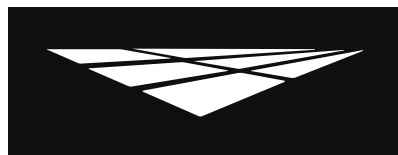
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4 of 5

Liquid Dazzle® 2/26



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Recommended Primer Colors

Dazzle Color	First Choice	Second Choice
Bamboo	00 - White	27 - Deep Tan
Cafe	34 - Tile Red	27 - Deep Tan
Graphite	12 - Pewter Gray	42 - Stone Gray
Jade	27 - Deep Tan	n/a
Marine	42 - Stone Gray	n/a
Pearl	00 - White	n/a
Ruby	34 - Tile Red	n/a
Sage	00 - White	40 - Travatan
Sapphire	42 - Stone Gray	n/a
Silver	41 - Cape Cod Gray	42 - Stone Gray
Sunset	27 - Deep Tan	n/a
Taupe	00 - White	n/a
Topaz	00 - White	n/a

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5 of 5

Liquid Dazzle® 2/26