

LIQUID DAZZLE



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SPECIALTY COATING SYS







ABOUT LIQUID DAZZLE.

Create brilliant metallic effects with Liquid Dazzle, Westcoat's premier decorative epoxy floor coating system. Engineered with proprietary metallic additives that uniquely flow when applied, Liquid Dazzle produces an exciting custom floor that is decorative and highly durable. Perfect for hotels, casinos, showrooms, salons, restaurants, and residential floors, Liquid Dazzle is designed for use when a truly unique floor coating is desired. This system has a natural high gloss finish, but can be sealed with a satin topcoat.



- Decorative
- High Build
- Durable
- Seamless
- Unique Effects
- Variety of Colors
- Chemical Resistant
- High Gloss or Satin Sealer

A FOR PROFESSIONAL USE ONLY.





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EC EPOXY COAT DURABLE RESINS & HARDENERS



THE SYSTEM

Eye-catching, metallic epoxy floors come to life with Liquid Dazzle. This 100% solids epoxy floor coating is seamless and offers the durability of epoxy with a look that is awe-inspiring. Liquid Dazzle shimmers and flows creating beautifully unique surfaces. Easy to clean and wear resistant, Liquid Dazzle is engineered to last, requiring minimal maintenance. Rich with color and flowing with metallic sparkle, Liquid Dazzle is available in a variety of color selections ranging from vibrant reds to soothing earth tones. Liquid Dazzle is a highly decorative, chemical resistant coating designed for use in hotels, casinos, high-end showrooms, restaurants and residential floors.

DAZZLE EFFECTS

Dazzle Effects is an application technique that uses Liquid Dazzle as a base that is manipulated with a variety of specialized processes that are splattered and swirled into the Dazzle before it has fully cured. The result is a dramatic, unique look offering a multitude of design opportunities. Finishes can range from a colorful mottled or hammered appearance to a more organic look reminiscent of wood burl.











HAVE A QUESTION? GET IN TOUCH: westcoat.com / 800.250.4519 / info@westcoat.com

4007 Lockridge Street, San Diego, CA 92102, USA.



SPECIALITY CONTING SYSTEMS SPECIFICATION

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 250-300 ft² per gallon	Dazzle Coat 50 ft² per gallon	
Components	<u>EC-72 Epoxy Patch Gel</u> <u>EC-12 Epoxy Primer</u> <u>EC-38 Liquid Dazzle Epoxy</u>		Shelf Life 2 years 2 years 2 years

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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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 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. Westcoat TC-26 may be used prior to the Dazzle coat to level the concrete.

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.

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

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.





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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 1/8 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.

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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.

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

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.
- Topcoat
 - For a low-maintenance flat finish, apply SC-65F WB Flat Polyurethane Sealer or EC-95F Flat Polyurethane Topcoat over the EC-38.
 - For increased gloss, apply SC-65G WB Gloss Polyurethane Sealer or EC-95G Gloss Polyurethane Topcoat over the EC-38.
 - For a semi-gloss finish, apply SC-65SG WB Semi-Gloss Polyurethane Sealer over the EC-38.
- * 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, SC-66 and SC-67 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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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.

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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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SYSTEM SPECIFICATION

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

Recommended Primer Colors





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SECTION 099656

EPOXY FLOOR COATINGS

PART 1 GENERAL

- 1.01 SUMMARY
 - A. Section includes: Provide a complete epoxy floor system for concrete surfaces that meet the requirements for specific use indicated in the contract documents. Include all applicable substrate testing, surface preparation, and detail work.
- 1.02 RELATED SECTIONS
 - A. Section 033000 Cast-In-Place Concrete
 - B. Section 090000 Finishes
 - D. Section 096723 Resinous Flooring

1.03 SUBMITTALS

- A. Submit under provisions of Section 013300.
- B. Product Data: Submit manufacturer's product data sheets on each product and system to be used including:
 - 1. Preparation instructions and recommendations.
 - 2. Storage and handling requirements.
 - 3. Installation methods.
 - 4. Maintenance requirements.
- C. Selection Samples: For each system specified, provide two sets of samples and color charts, representing manufacturer's full range of colors and patterns.

1.04 QUALITY ASSURANCE

- A. All materials used in the epoxy floor system shall be manufactured and provided by a single manufacturer to ensure compatibility and proper bonding.
- B. Use adequate numbers of skilled workmen thoroughly trained and experienced in the necessary crafts and completely familiar with the specified requirements and methods needed for proper performance of the work of this section.
- C. Contractor shall have a minimum of 3 years experience installing epoxy floor coatings similar to that which is required for this project and who is acceptable to the manufacturer.
 - 1. Applicator shall designate a single individual as project foreman who shall be on site at all times during installation.
 - 2. Contractor must show and have QCA Qualified Contractor/Applicator paperwork from the manufacturer of the coating system, as required to obtain a long-term jobsite specific warranty.
- D. Convene a pre-application meeting before the start of application of coating system. Require attendance of parties directly affecting work of this section, including: Architect, contractor, applicator, and authorized representative of the coating system manufacturer and interfacing trades. Review the following:
 - 1. Drawings and specifications affecting work of this section.
 - 2. Protection of adjacent surfaces.
 - 3. Surface preparation and substrate conditions.
 - 4. Application.
 - 5. Field quality control.

- 6. Protection of coating system.
- 7. Repair of coating system.
- 8. Coordination with other work.

1.05 DELIVERY, STORAGE & HANDLING

- A. Delivery: Materials shall be delivered to the job site in sealed, undamaged containers. Each container shall be clearly marked with manufacturer's label showing type of material, color, and lot number.
- B. Storage: Store all materials in a clean, dry place with a temperature range in accordance with manufacturer's instructions.
- C. Handling: Handle products carefully to avoid damage to the containers. Read all labels and Material Safety Data Sheets prior to use.

1.06 PROJECT SITE CONDITIONS

- A. Maintain environmental conditions (temperature, humidity, and ventilation) within the limits recommended by the manufacturer.
- B. 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), see EC-15 Moisture Vapor Barrior product specification.
- C. Concrete must be at least 2500 psi.
- D. Concrete must be cured for a minimum of 28 days before coating is applied.
- E. Schedule coating work to avoid excessive dust and airborne contaminates. Protect work areas from excessive dust and airborne contaminates during coating application.
- F. Before any work is started, the applicator shall examine all surfaces for any deficiencies. Should any deficiencies exist, the architect, owner or general contractor shall be notified in writing and any corrections necessary shall be made.

1.07 WARRANTY

A. Upon completion of the work in this section provide a written warranty from the manufacturer against defects of materials for a period of 1 (one) year. To obtain project specific warranty the coating system applicator must be a Westcoat Qualified Contractor/ Applicator and apply for warranty.

PART 2 PRODUCTS

2.01 MANUFACTURERS

A. Acceptable manufacturer: Westcoat Specialty Coatings; 4007 Lockridge Street, San Diego, CA 92102. Telephone 800-250-4519. Fax 619-255-7187. Website: www.westcoat.com.

2.02 MATERIALS

A. As basis of design Westcoat Liquid Dazzle System (no substitutions will be accepted): 100% solids decorative epoxy floor coating system with metallic additives.

2.03 COMPONENTS

- A. Liquid Dazzle System: 100% solids epoxy system with metallic additives.
 - 1. Primer: EC-12 Epoxy Primer pigmented 250-300 square feet per gallon.
 - 2. Top Coat: EC-38 Liquid Dazzle Epoxy 50 square feet per gallon.

2.04 ACCESSORIES

- A. Supplemental Materials:
 - 1. Patching materials shall be EC-72 Epoxy Patch Gel.
 - 2. Concrete repairs can be made with TC-23 Mortar Mix as needed.

- 3. Optional aggregate shall be CA-30 Small Safe Grip, CA-31 Large Safe Grip, or other sand designed to meet the owners skid resistance requirements.
- Optional Topcoats:
- 4. SC-65G WB Gloss Polyurethane may be used OVER the EC-38 when a low odor, solvent free, mar and chemical resistant gloss finish is required.
- 5. SC-65SG WB Semi-Gloss Polyurethane may be used OVER the EC-38 when a low odor, solvent free, mar and chemical resistant semi-gloss finish is required.
- 6. SC-65F WB Flat Polyurethane may be used OVER the over the EC-38 when a low odor, solvent free, mar and chemical resistant flat finish is required.
- 7. EC-95G Gloss Polyurethane may be used OVER the EC-38 when a chemical/UV resistant, solvent-based gloss finish is required.
- 8. EC-95F Flat Polyurethane may be used OVER the EC-38 when a chemical/UV resistant, solvent-based satin finish is required.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verification of Conditions.
 - 1. Inspect all surfaces to receive epoxy flooring. 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.
 - 2. Conduct calcium chloride testing according to ASTM F1869.
 - 3. Before starting work, report in writing to the authority having jurisdiction any unsatisfactory conditions.

3.02 SURFACE PREPARATION

- A. Prepare surfaces using methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.
- B. Shot blast or mechanically abrade the surface to achieve a surface profile equal to CSP of 3 as specified by ICRI.
- C. Clean Surfaces thoroughly prior to installation.
- D. Rout and clean moving cracks and joints: fill with manufacturer's recommended flexible epoxy filler material.
- E. Repair any non-moving surface deviations with manufacturer's recommended patching material.

3.03 INSTALLATION

- A. Install coatings in accordance with manufacturer's instructions.
- B. Mix multi-component materials in accordance with manufacturer's instructions.
- C. Use application equipment, tools, and techniques in accordance with manufacturer's instructions.
- D. Uniformly apply coatings at spread rates and in number of coats to achieve specified mil thickness recommended by the manufacturer.
 - 1. Install integral cove base where indicated on the contract drawings and according to manufacturer's instructions.
 - 2. Key in all drains, edges, and transition points according to manufacturer's instructions.
- E. Broadcast aggregates in accordance with the specified system and manufacturer's instructions.
- F. Adhere to all limitations, instructions, and cautions for epoxy coating as stated in the manufacturer's published literature.

3.04 FIELD QUALITY CONTROL

A. Verify coatings and other materials are as specified.

- B. Verify coverages of the system as work progresses. Areas found not to meet the required thickness shall receive additional material until specified thickness is attained.
- C. Manufacturer's representative shall provide technical assistance and guidance for surface preparation and application of coating systems.

3.05 PROTECTION AND CLEAN-UP

- A. 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.
- B. Protect finished surfaces of coating system from damage during construction.
- C. Touch-up, repair or replace damaged flooring system after substantial completion.
- D. Clean area and remove all debris upon completion of work. Dispose of empty containers properly according to current Local, State and Federal regulations.

3.06 MAINTENANCE

A. Contractor shall provide to owner, maintenance and cleaning instructions for the floor system upon completion of work. Owner is required to clean and maintain the surfaces to maintain manufacturer's warranty.

END OF SECTION

This guide specification has been prepared by Westcoat Specialty Coating Systems to assist design professionals in developing a project specific specification. This guide is a template that must be reviewed and adapted by specifiers to comply with project requirements. This guide specification is not to be copied directly into a project specification manual without review.



LIQUID DAZZLE® EC-38



Marine | 655



Jade | 656



Ruby | 660



Sunset | 657



Sapphire | 662

westcoat. Specialty coating systems



Sage | 669



Graphite | 663



Café | 658



Topaz | 671



Taupe | 670



Silver | 661



Bamboo | 664

Not shown but also available in Pearl | 657



Color will vary between products and sheens. This chart is for reference only. Please request an actual color sample or apply sample on site before begining any project.



Recommended EC-12 Epoxy Primer Colors for Liquid Dazzle

LIQUID DAZZLE COLOR	FIRST CHOICE PRIMER COLOR	SECOND CHOICE PRIMER COLOR
Bamboo	00 - White	27 - Deep Tan
Café	34 - Tile Red	27 - Deep Tan
Graphite	12 - Pewter Gray	42 - Stone Gray
Jade	04 - Lawn Green	27 - Deep Tan
Marine	04 - Lawn Green	42 - Stone Gray
Pearl	00 - White	n/a
Ruby	34 - Tile Red	76 - Mission Red
Sage	00 - White	40 - Travatan
Sapphire	14 - Slate Blue	42 - Stone Gray
Silver	41 - Cape Cod Gray	42 - Stone Gray
Sunset	76 - Mission Red	27 - Deep Tan
Таире	00 - White	26 - Rocky Nock
Topaz	00 - White	12 - Slate Blue

- Color will vary. This chart is for reference only. Please apply sample on site before beginning any project.

- Please contact your distributor or a Westcoat representative for detailed Liquid Dazzle instructions.

- 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. Choosing a lighter or darker primer may affect the final look.

