



EPOXY COAT
DURABLE RESINS & HARDENERS

EC-38 Liquid Dazzle[®] Epoxy

Description

Westcoat EC-38 Liquid Dazzle is a two-component, 100% solids epoxy made with proprietary metallic additives that create an evolving drift dynamic in this unique epoxy. EC-38 is a decorative, glossy, durable, mar and chemical resistant coating. This highly decorative epoxy comes in many metallic colors.

- Durable
- Seamless
- Unique Effects
- Variety of Colors
- Chemical Resistant
- USDA & FDA Compliant

Uses

EC-38 is primarily designed for use on concrete floors, tables & counter tops. Liquid Dazzle Epoxy can be topcoated with a variety of sealers from high gloss to satin, as desired.

Packaging

1 ½ and 15 gallon kits

Advantages

- Decorative
- High Build

Color

Ruby	Sunset	Sage
Marine	Sapphire	Topaz
Cafe	Silver	Jade
Pearl	Graphite	Bamboo
Taupe		

INSPECTION / PREPARATION

Inspection

Surface must be structurally sound, dry, and free of oil, grease, curing agents, dirt, dust or other foreign material that may prevent proper adhesion. Surface must be rough or porous.

Preparation

Surface must be properly prepared and primed as specified for system being installed, please read individual System Specification Sheet for details.

APPLICATION

Mixing

Premix each component separately. For color consistency, box all part A's. In a clean bucket, mix 2 parts A with 1 part B, by volume of EC-38. Mix thoroughly with a low speed (200-300 rpm) drill motor for 4-5 minutes. Make sure to scrape the sides and bottom of the container during mixing. After mixing is completed, remove material from container within 5 minutes, as epoxy will begin to generate heat. Spread immediately onto the floor, as product is spread out you will have longer working time (10-15 minutes at 70 degrees).

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.

Thinning

Thinning of EC-38 is not recommended.

Dry Time

You may apply a topcoat as soon as the surface is dry to touch or in about 8-10 hours, but no later than 24 hours. Light foot traffic may be permitted in 24 hours, heavy foot traffic in 48 hours, vehicular traffic in 72 hours. All times are based on average temperature of 70 degrees and 50% humidity. Cooler temperatures will increase drying time.

Coverage

Coverage will vary depending on condition of surface and desired thickness.

As a coating: approximately 50 sq.ft. per gallon

Clean Up

Uncured material should be removed with an environmentally-safe solvent. Cured material should be removed mechanically.

Applying Product

Apply EC-38 with a 1/8 inch notched trowel being sure to get even coverage over the entire floor, to achieve the published coverage rate. 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

LIMITATIONS

- This product is designed for professional use only.
- Be sure to measure and mix properly. Be aware of the pot life of mixed epoxy.
- Be sure to patch and prime until surface is smooth, even and very level.
- Do not apply in temperatures below 50°F or above 90°F. Hot or cold weather may effect dry times.
- Epoxy must be cured for a minimum of 24 hours before coming in contact with water.
- For interior use only.
- Do not allow Westcoat products to freeze.

HEALTH PRECAUTIONS

Inhalation of vapor or mist can cause headache, nausea irritation of nose, throat, and lungs. Prolonged or repeated skin contact can cause slight skin irritation.

Be careful not to get on skin, clothes or in eyes. Glove and respirators are strongly recommended. Avoid breathing vapors. If splashed in the eye, flush with warm weather and contact a physician if blurring persists.

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.

Physical Properties

Chemical Composition	Bis A Epoxy Resin Crosslinked with cyclo aliphatic amines
Weight/gal (mix)	9.0
Gloss @60 Degree	102
Solids %/wt (mix)	100
Solids %/vol (mix)	100
Viscosity cPs (mix)	332
Viscosity KU (mix)	73
VOC gm/l (mix)	1.4
Shelf Life	1 year
Color (gardner)	NA

Chemical Resistance

Muratic Acid (31.5% HCL)	5
Sulfuric Acid (50% H2SO4)	5
Sulfuric Acid (93% H2SO4)	3s
Nitric Acid (10% HNO3)	5
Sodium Hydroxide (50% NaOH)	5
Bleach (sodium hypochlorite)	5
Vinegar (3-5% acetic acid)	5s
Transmission Fluid	5
Gasoline	5
Brake Fluid	5
409 Surface Cleaner	5
Pine Sol Solution	5
Blood & Body Fluids	5
Iodine Solution	5s
Mustard	5
Ketchup	5/5
Red Wine	5/5
Acetone	4
Methyl Ethyl Ketone (MEK)	5
Xylene	5
Ethanol	5
Methanol	5

Technical Data

Tack Free over concrete @72°F	4.75 hr.
Foot Traffic over concrete @72°F	7.75 hr.
Foot Traffic -sealed surface- @72°F	NA
Wheel Traffic	72 hr.
Pot Life (Gel Time) 150gm @72°F	.75 hr
Heat Resistance (constant)	130°F
Heat Resistance (intermittent)	180°F
Adhesion on steel ASTM D3359	5
Adhesion on concrete ASTM D3359	5
Tensile Strength (ASTM D638)	7250 psi
Tensile Modulus (ASTM D638)	310,000 psi
Tensile Elongation (ASTM D638)	5%
Compressive Strength (ASTM D695)	195,000 psi
Compressive Modulus (ASTM D695)	290,000 psi
Flexural Strength (ASTM D790)	10,000 psi
Flexural Modulus (ASTM D790)	315,000 psi
Impact Resistance in-lbs direct/reverse	14/1
Hardness Shore D (ASTM D2240)	74
Pencil Hardness	2H
Reducer/Clean Up	Acetone or PCBTF

Key:
 5 = Best (no effect)
 4 = Softens (recovers)
 3 = Softens (no recovery)
 2 = Blistered (no recovery)
 1 = Worst Destroyed
 s = With Stain
 * Contact time > 5hrs = 1



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