



**EC**

**EPOXY COAT**  
DURABLE RESINS & HARDENERS

## **EC-100 Polyurea Topcoat**

### **Description**

EC-100 Polyurea Topcoat is designed to be used as the finish coat for all of the Westcoat Epoxy Systems. It provides a non-yellowing high gloss, high build finish with outstanding wear resistance. EC-100 provides a faster cure and contains no solvents. EC-100 is a two component polyurea.

### **Uses**

EC-100 is designed for professional use only and is specified as the finish coat for use in moderate to severe chemical environments or in heavy traffic areas. Apply EC-100 as a coating over Westcoats epoxy primers and epoxy floor coatings. EC-100 is also used as a sealer on a variety of other substrates such as plain concrete, Texture-Crete and Acid Stained concrete flooring. Use EC-100 on industrial floors, garage floors, decorative floors, restaurant floors, food processing facilities, automotive service areas, airplane hangers or where a high build and high sheen is desired.

### **Advantages**

- Medium Viscosity
- Meets USDA Criteria
- 100% Solids
- Chemical Resistant
- High Strength
- Water Clear or Pigmented
- Durable Yet Flexible
- No Odor
- High Build
- Superior Adhesion

### **Packaging**

1½ gallon kits

### **Color**

Clear

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## **INSPECTION / PREPARATION**

### **Inspection**

Concrete must be clean, dry, and free of grease, paint, oil, dust, curing agents, or any foreign material that will prevent proper adhesion. The concrete should be at least 2500 psi and feel like 60-80 grit sandpaper. The concrete should be porous and be able to absorb water. A minimum of 28 days cured is required on all concrete. Before starting flooring work, test existing concrete slab for efflorescence, moisture, and hydrostatic pressure.

As a final coat over epoxy systems EC-100 must be applied within 24 hours. If more than 24 hours have past lightly abrade the surface and wipe with a solvent such as acetone prior to the application of the EC-100. In some cases you will need to thin the EC-100 prior to application.

### **Preparation**

Over concrete, shotblasting is the preferred method for preparing concrete when applying epoxy and urethane coatings. When using other methods, prepare the surface so that the product will soak in and properly bond.

### **Moisture**

All concrete should be tested for moisture before applying a seamless coating. Water vapor transmission upwards through on-grade concrete slabs may result in loosening of epoxy floors or improper curing of epoxy materials. If moisture emissions exceed 3 lbs./1000 sq ft. contact the manufacturer before application.

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## **APPLICATION**

### **Mixing**

As a coating, pre-mix the A side component separately. Mix 2 parts A with 1 part B, by volume, into a clean container. Mix thoroughly with a low speed (400-600 rpm) drill motor for 90 seconds. Make sure to scrape the sides and bottom of the container during mixing. The product may be thinned with acetone in which case it must be applied thinly enough to allow solvent to escape (minimum 300 sq ft per gallon). After mixing is completed, remove from container within minutes as

EC-100 will begin to cure. Spread immediately onto the floor, after mixing limited working time. (10-15 minutes at 70 degrees).

### **Coverage**

Coverage will vary depending on condition of surface and desired thickness. As a finish coat, 300-400 sq ft per gallon. Over paint chip, color quartz, 125-250 sq ft per gallon.

### Applying Product

Immediately after mixing pour activated product on the substrate and using a squeegee, pull out the material at the desired coverage rate. EC-100 is best applied with a short, thin, flexible squeegee. Use a 3/8 inch nap non shedding roller and back roll the material in both directions. Do not over roll.

### Recoating

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.

### Dry Time

You may re-coat as soon as the surface is dry to the touch 4 to 5 hours. Light foot traffic may be permitted in 8 hours, normal traffic in 24 hours and vehicle traffic in 72 hours. All times are based on average temperature of 70°F and 50% humidity. Cooler temperatures will increase drying time.

### Clean Up

Uncured material can be removed with a solvent. Cured material can only be removed mechanically.

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## MAINTENANCE

Do not wash the floor within 5 days of installation. Exposure to water before the floor is completely cured may dull the finish. Damp mop as needed with a clean mop head and clean, warm water with a mild detergent or degreaser.

Rinse thoroughly to avoid leaving residue. When using a new cleaner for the first time, test clean an inconspicuous area to ensure compatibility with the floor.

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## LIMITATIONS

- Do not apply at temperatures below 50° F or above 95° F.
- Apply immediately after mixing- limited working time
- Do not apply over concrete under hydrostatic pressure.
- Concrete must be cured for a minimum of 28 days.
- Solvents added to thin such as acetone will make product combustible or flammable in which case be aware of sparks or open flame.
- If solvent is added, the products must be applied thinly

- to allow the solvent to escape or proper curing will occur
- Concrete will out gas during periods of rising temperatures. To prevent bubbling, always apply when the application and cure temperatures will be constant or declining
- Do not allow any Westcoat products to FREEZE.

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## 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.

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## 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.



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