



**EC**

**EPOXY COAT**  
DURABLE RESINS & HARDENERS

## **EC-96 Satin Polyurethane Topcoat**

### Description

Westcoat EC-96 Satin is a two component, high solids, solvenated, polyurethane topcoat. The UV, mar, and chemical resistant nature of this product will cause it to outperform most other types of sealers or topcoats when compared. EC-96 Satin is a true satin, that will reduce or eliminate light reflection.

### Uses

EC-96 Satin is designed for professional use only and is specified as the finish coat for use in moderate chemical environments or in heavy traffic areas. Apply EC-96 Satin as a coating over Westcoat epoxy & urethane floor coatings. EC-96 Satin is also used as a topcoat on a variety of other substrates such as concrete, Texture-Crete and stained concrete flooring when applied over a clear epoxy or urethane. Use EC-96 Satin on industrial, garage, decorative, and restaurant floors, food processing facilities, and automotive service areas where a low maintenance, satin finish is desired.

### Advantages

- VOC Compliant
- Chemical Resistant
- Satin Finish
- Low maintenance
- Impact and Abrasion Resistant
- Aliphatic Polyester Polyurethane
- Versatile
- 90 Min. Pot Life
- USDA & FDA Compliant

### Packaging

1 gallon kits

### Color

Clear Satin

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## **INSPECTION / PREPARATION**

### Inspection

EC-96 Satin must not be applied directly on top of concrete or polymer overlays to avoid whitening. It must be applied over a clear epoxy or polyurethane within 24 hours.

### Preparation

As a final coat over epoxy systems EC-96 Satin 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 or alcohol prior to the application. In all cases you will need to thin the EC-96 Satin prior to application.

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## **APPLICATION**

### Mixing

As a topcoat, premix each component separately. Mix 2 parts A with 1 part B, by volume of EC-96, into a clean container. Mix thoroughly with a low speed (400-600 rpm) drill motor for 3-4 minutes. Make sure to scrape the sides and bottom of the container during mixing.

### Thinning

When applying as sealer directly over Westcoat epoxy or urethane coatings it is recommended to thin the EC-96 Satin with equal parts of acetone. Thinning will help avoid bubbles and unevenness.

### Coverage

600-1000 sq.ft. per gallon as a sealer

### Applying Product

EC-96 Satin can be sprayed or rolled.

When applying over a smooth surface, immediately after mixing, transfer material into a Hudson type or airless sprayer. Spray evenly across entire surface, being sure to achieve full coverage.

If applying over a textured surface you may roll the material. When rolling; immediately after mixing spread a strip of the material onto the surface along the edge where it will be cut in using a brush. Pour the remaining material near the cut in area and spread evenly using a squeegee or flat trowel and back roll with a  $\frac{3}{8}$  -  $\frac{1}{2}$  inch non-shed, solvent resistant roller cover. Apply quickly and do not over roll, as product will begin to "tack-up" as the air begins to cure it.

Re-coat if needed within 24 hours of application to ensure adhesion. If a delay occurs, it is recommended that the surface be lightly sanded and wiped with alcohol or acetone just before reapplication.

### Dry Time

You may re-coat as soon as the surface is dry to touch or in about 10-12 hours, but no later than 24 hours. Light foot traffic may be permitted in 24 hours. It will take 7 days for the material to cure completely. All times are based on average temperature of 70 degrees and 50% humidity.

## Clean Up

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

## LIMITATIONS

- This product is designed for professional use only,
- Do not apply directly on top of concrete, must be applied over a clear or solid Westcoat epoxy or urethane.
- Be sure to measure and mix properly.
- Do not apply in temperatures below 50°F or above 90°F. Hot or cold weather may effect dry times.
- EC-96 must be cured for a minimum of 24 hours before coming in contact with water.
- Skid resistant additives are available.
- Please check with local laws governing the use of solvents.
- Do not allow Westcoat products to freeze.
- Product has a strong odor.
- Do not allow any Westcoat products to freeze.

## 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.

## 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 | Saturated polyester crosslinked with aliphatic polyisocyanate |
|----------------------|---|
|                      | Satin   |
| Weight/gal (mix)     | 9.9   |
| Gloss @60 Degree     | 34  |
| Solids %/wt (mix)    | 70  |
| Solids %/vol (mix)   | 60  |
| Viscosity cPs (mix)  | 381   |
| Viscosity KU (mix)   | 62  |
| VOC gm/l (mix)       | 100   |
| Shelf Life           | 1 year  |
| Color (gardner)      | NA  |

### Technical Data

|   |                  |
|---|------------------|
|   | Clear            |
| Tack Free over concrete @72°F           | 2 hr.            |
| Foot Traffic over concrete @72°F        | 6.25 hr.         |
| Foot Traffic -sealed surface- @72°F     | 8 hr.            |
| Wheel Traffic                           | 72 hr.           |
| Pot Life (Gel Time) 150gm @72°F         | 2 hr.            |
| Adhesion on steel ASTM D3359            | 5                |
| Adhesion on concrete ASTM D3359         | 5                |
| Impact Resistance in-lbs direct/reverse | 160              |
| Hardness Shore D (ASTM D2240)           | 84               |
| Pencil Hardness                         | 3H               |
| Heat Resistance (Constant)              | 250° F           |
| Reducer/Clean Up                        | Acetone or PCBTF |
| Flexibility (ASTM D222)                 | pass 1/8 inch    |

### Chemical Resistance

|                              | Clear & Pigmented |
|------------------------------|-------------------|
| Muratic Acid (31.5% HCL)     | 5                 |
| Sulfuric Acid (50% H2SO4)    | 5                 |
| Sulfuric Acid (93% H2SO4)    | 1                 |
| Nitric Acid (10% HNO3)       | 5                 |
| Sodium Hydroxide (50% NaOH)  | 5                 |
| Bleach (sodium hypochlorite) | 5                 |
| Vinegar (3-5% acetic acid)   | 5                 |
| Transmission Fluid           | 5                 |
| Gasoline                     | 5                 |
| Brake Fluid                  | 5                 |
| 409 Surface Cleaner          | 5                 |
| Pine Sol Solution            | 5                 |
| Blood & Body Fluids          | 5                 |
| Iodine Solution              | 5                 |
| Mustard                      | 5/5s              |
| Ketchup                      | 5/5               |
| Red Wine                     | 5/5               |
| Acetone                      | 5                 |
| Methyl Ethyl Ketone (MEK)    | 5                 |
| Xylene                       | 5                 |
| Ethanol                      | 5                 |
| Methanol                     | 5                 |

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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