

## TECHNICAL DATA

### EF9010000 Series

### Epoxy Ester Primers

#### Description

The EF9010000 series are one component epoxy ester primers. These primers can be used for quick recoat applications with air-dry and force-dry enamels and urethane topcoats.

#### Coating Properties

<b>VOC</b>	4.60 - 4.64 lbs / gal or 551 - 556 grams / litre
<b>Volume Solids</b>	36.20 – 36.50%
<b>Sag</b>	
Airless	9 – 11 mils
Air Assist Airless	9 – 11 mils
Air Spray	Not Recommended
HVLP	Not Recommended
<b>Viscosity @ 70°F (21°C)</b>	40 - 55 Seconds Zahn#4 / 680 - 760 cps
<b>Salt Spray (B1000)</b>	1000+ @ 3 mils DFT
<b>Theoretical Coverage</b>	580 - 585 ft <sup>2</sup> / gal (14.2 – 14.4 m <sup>2</sup> / litre) @ 1 mil DFT

DFT = Dry Film Thickness

#### Product Weight

EF9010000 Series	10.0 – 10.2 lbs / gallon or 1.20 – 1.22 kg / litre
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Container weight not included

#### Shelf Life

Shelf Life is applicable only for material stored in unopened and undamaged original factory filled containers at 39° - 100°F (4° to 38°C).

EF9010000 Series	1 year
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*Subject to reinspection. Store unused material in tightly closed containers. Contents of partially filled containers may show surface skinning after storage. If skinning forms, remove by straining before use.*

#### BENEFITS

- 1K
- excellent rust inhibitive properties
- excellent impact & flexibility
- environmentally friendly

#### USES

- OEM - truck boxes
- OEM - farm implements
- structural steel
- electrical equipment
- quick recoat

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#### Surface Preparation

SSPC – SP6 Commercial Blast minimum recommended or a minimum of 3-stage to 7-stage phosphate cleaning system.

#### Mixing Instructions

EF9010300 is a one component grey epoxy ester primer.

Mix thoroughly to uniform consistency before use. Filter through 100 mesh in line filter.

#### Application Instructions

##### Application Temperature

Minimum	55°F (10°C)
Maximum	100°F (38°C)

##### Equipment Settings

**Air Spray:** not recommended

**Airless Spray:** fluid pressure: 2000 - 2500 psi  
tip size: .013 - .019

**Air Assist Airless:** fluid pressure: 700 - 1500 psi  
atomizing air: 20 – 60 psi  
tip size: .013 - .019

- Apply in wet coat making even parallel passes. Overlap each pass 50% to minimize holidays, bare areas and pinholes.
- Excess wet film will cause sags and runs.

Recommended dry film thickness is 1 – 2.5 mils above profile.

If thinners are required: *Please contact your Guertin Representative for recommendations.*

Note: Successful application requires following the recommended temperature, humidity conditions and film thickness ranges.

#### Drying Schedule

Substrate Temp	70°F (21°C)
Tack Free	30 minutes
Dry Through	1.5 hours

#### Recoat Window for best D.O.I

Substrate Temp	70°F (21°C)
Over Itself	15 minutes to 3 days
With Topcoats	3.0 hours to 2 days

**Flash times:** The epoxy ester primer should be flashed for 15 to 30 minutes before applying a second coat. Allow at least a minimum of 3.0 hours flash off time before applying a two-component urethane topcoat. High film builds (>4mils) will require longer flash times.

The epoxy ester primer can be recoated with itself up to 3 days without sanding. Two component urethane & Supershield® topcoats can be applied over the epoxy primer up to 2 days. After 2 days the epoxy primer must be scuff sanded if topcoating.

It is recommended to apply at ambient air and surface temperatures between 55° - 100°F (10° - 38°C). Apply at a relative humidity level between 33% - 85%.

Surface temperature must be at least 5°F (3°C) above the dew point to ensure that moisture condensation does not occur during application and the drying period.

Higher/lower temperatures & humidity, film thickness, improper activator range and poor air movement will affect the dry time and recoat window.

#### Equipment Cleanup

Clean application equipment with Guertin's SP01174T0 reducer.

#### Safety Precautions

FOR INDUSTRIAL USE ONLY. To be used by professionally trained personnel using proper safety equipment. Use only with adequate ventilation. Warning: this product is flammable, keep away from heat, sparks and open flame. Please refer to material safety data sheets.

#### Warranty

Guertin Coatings warrants its product to be free from defects in materials and workmanship and will REPLACE ANY PRODUCT PROVED TO BE DEFECTIVE, OR REFUND OF THE ORIGINAL PURCHASE PRICE OF THE QUANTITY PROVED TO BE DEFECTIVE. Requests for refund or replacement of product must be made in writing within one year from the original date of purchase. This Warranty does not apply to defects due, directly or indirectly, to misuse, abuse, negligent application, or acts of God.

GUERTIN COATINGS WILL NOT BE LIABLE FOR DEATH, INJURIES TO PERSONS OR PROPERTY, OR FOR INCIDENTAL, CONTINGENT, SPECIAL OR CONSEQUENTIAL DAMAGES ARISING FROM THE USE OF OUR PRODUCT, INCLUDING DOWNTIME OR LOSS OF USE OF PRODUCT.

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