

TECHNICAL DATA

EF72000

Description

EF72000 is a grey, high build epoxy primer. This primer is designed to fill blast profiles in a single coat. It is particularly useful on large blasted surface areas requiring slightly longer open times for less dry spray. No induction time required.

Mixed Coating Properties

| | |
|--------------------------------------|---|
| Mix Ratio | 4 Parts base to 1 Part epoxy part 2 |
| Mixed VOC | 4.11 lbs / gal or 493 grams / litre |
| Mixed Volume Solids | 41.90% |
| Mixed Sag | |
| Airless | 16 – 18 mils |
| Air Assist Airless | 16 – 18 mils |
| Air Spray | Not recommended |
| HVLP | Not recommended |
| Mixed Viscosity @ 70°F (21°C) | 14 ± 2 Seconds Zahn#4 / 390 cps |
| Pot Life @ 77°F (25°C) | 5.00 hours |
| Salt Spray (B1000) | 1000 hours @ 3 mils DFT |
| Theoretical Coverage | 672 ft ² / gal (16.5 m ² / litre) @ 1 mil DFT |

DFT = Dry Film Thickness

Product Weight - Container weight not included

| | |
|-----------|--|
| EF72000P1 | 13.30 lbs / gallon or 1.594 kg / litre |
| EF72000P2 | 7.16 lbs / gallon or 0.859 kg / litre |

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).

| | | | |
|-----------|--------|-----------|---------|
| EF72000P1 | 1 year | EF72000P2 | 2 years |
|-----------|--------|-----------|---------|

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

- excellent flow out
- excellent edge coverage
- corrosion resistance
- excellent adhesion
- flexibility, hardness

USES

- OEM - agricultural equipment
- OEM - truck trailers
- OEM - containers
- OEM - oil field applications
- rolling stock
- OEM - buses

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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

Mix at 4:1 by volume:
4 Parts EF72000P1 base to
1 Part EF72000P2 epoxy part 2

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: | pot pressure: | 10 – 20 psi |
| | atomizing air: | 45 – 65 psi |
| | nozzle set: | 1.4 |
| 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 |

- Precision plural component equipment is recommended. All spray equipment including lines and filters must be kept clean at all times to avoid nozzle plugging. When hand mixing smaller quantities, stir thoroughly to a uniform consistency prior to use.
- 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 2 – 3 mils (minimum) 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 | 3.0 hours |
| Dry Through | 4.0 hours |

Recoat Window for best D.O.I

| | |
|---------------------------|----------------------|
| Substrate Temp | 70°F (21°C) |
| Over Itself | 15 minutes to 3 days |
| With Urethane Topcoat | 3.0 hours to 3 days |
| With Supershield® Topcoat | 1 hour to 8 hours |

Flash times: The epoxy 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 primer can be recoated with itself, two component urethane and Supershield® topcoats up to 3 days. After 3 days the epoxy primer must be scuff sanded.

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 SP02859T0, SP05127T0 or SP05720T0.

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.

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