

TECHNICAL DATA

EF72097

Description

EF72097 is a grey, high solids, high build, epoxy primer. It is designed to fill blast profiles in a single coat, while providing excellent flow out. EF72097 gives excellent adhesion and corrosion protection to properly prepared ferrous substrates. No induction time is required.

Mixed Coating Properties

Mix Ratio

EF72090P2 and EF72091P2	4 parts base to 1 part epoxy part 2 (4:1)
EF72074P2	2 parts base to 1.5 parts epoxy part 2 (2:1.5)

Mixed VOC

EF72090P2	3.58 lbs / gal or 429 grams / litre (4:1)
EF72091P2	3.77 lbs / gal or 451 grams / litre (4:1)
EF72074P2	4.56 lbs / gal or 545 grams / litre (2:1.5)

Mixed Volume Solids

EF72090P2	49.50%
EF72091P2	47.00%
EF72074P2	35.42%

Mixed Sag Resistance (4:1 mix ratio)

Airless	16 – 20 mils
Air Assist Airless	16 – 20 mils
Air Spray	16 – 20 mils
HVLP	16 – 20 mils

Mixed Sag Resistance - EF72074P2 (2:1.5 mix ratio)

10 – 14 mils

Mixed Viscosity @ 77°F (25°C)

EF72090P2	20 ± 2 Seconds Zahn#4
EF72091P2	13 ± 2 Seconds Zahn#4
EF72074P2	10 ± 2 Seconds Zahn#4

Pot Life @ 77°F (25°C)

EF72090P2	5.50 hours
EF72091P2	4.50 hours
EF72074P2	7.00 hours

Salt Spray (on Bonderite 1000 Test Panels)

1000 hours @ 3 mils DFT

Pencil Hardness

2H (at full cure)

Theoretical Coverage

EF72090P2	794 ft ² / gal (19.5 m ² / litre) @ 1 mil DFT
EF72091P2	754 ft ² / gal (18.5 m ² / litre) @ 1 mil DFT
EF72074P2	568 ft ² / gal (13.9 m ² / litre) @ 1 mil DFT

DFT = Dry Film Thickness

Product Weight - Container weight not included

EF72097P1 base	12.18 lbs / gallon or 1.460 kg / litre
EF72090P2 standard cure	7.25 lbs / gallon or 0.869 kg / litre
EF72091P2 fast cure	7.31 lbs / gallon or 0.877 kg / litre
EF72074P2	7.08 lbs / gallon or 0.849 kg / litre

BENEFITS

- excellent flow out
- excellent sprayability
- excellent adhesion
- corrosion resistance
- flexibility
- hardness

USES

- OEM - truck boxes/bodies
- OEM - trailers
- OEM - tanks
- OEM – agricultural equipment
- OEM – ACE

TECHNICAL DATA

EF72097

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).

EF72097P1	1 year	EF72090P2	2 years
		EF72091P2	2 years
		EF72074P2	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.

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 EF72097P1 base to
- 1 Part EF72090P2 for Standard Cure or
- 1 Part EF72091P2 for Fast Cure

Mix at 2:1.5 by volume:

- 2 Parts EF72097P1 base to
- 1.5 Parts EF72074P2 for Standard Cure

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 – 2.2
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 – 2.75 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	1 hour
Dry Through	5.0 hours

Standard Cure

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 SP01174T0 or SP02859T0

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.

All data, statements, and recommendations made herein are based upon information we believe to be reliable, but are made without any representation, guarantee or warranty of accuracy. Our products are sold on the condition that the user himself will evaluate them, as well as our recommendations, to determine their suitability for his own purpose before adoption. Also, statements regarding the use of our products or processes are not to be construed as recommendations for their use in violation of any patent rights or in violation of any applicable laws or regulations.