GUERTIN
A Division of Cloverdale Paint Inc.

TECHNICAL DATA
EF74766

Description

EF74766 is an off-white food grade, epoxy lining primer. It has a low coefficient of friction for easy discharge of product. This coating is approved by the Health Protection Branch (File # KS98080504-05) for transportation of dry foods such as cereal grain, sugar, flour and oil seeds. No induction time required.

Mixed Coating Properties

Mix Ratio	1 Part base to 1 Part epoxy activator
VOC	3.26 lbs / gal or 391 grams / litre
Volume Solids	55.80%
Sag	
Airless	25 – 30 mils
Air Assist Airless	25 – 30 mils
Air Spray	Not Recommended
HVLP	Not Recommended
Viscosity @ 70℉ (21℃)	63 ± 2 Seconds Zahn#4 / 1610 cps
Pot Life @ 77℉ (25℃)	1.50 hours
Salt Spray (B1000)	2000 hours @ 3 mils DFT
Theoretical Coverage	895 ft^2 / gal (22.0 m^2 / litre) @ 1 mil DFT

DFT = Dry Film Thickness

Product Weight - *Container weight not included*

EF74766P1 base	15.72 lbs / gallon or 1.884 kg / litre
EF74766P2 standard cure	8.83 lbs / gallon or 1.058 kg / litre

Shelf Life

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

EF74766P1	1 year	EF74766P2	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

- food grade
- Health Protection Branch File #KS98080504-05
- meets Direct Food contact Criteria: FDA21 FDR175.300
- excellent edge coverage
- excellent sprayability
- self priming

USES

- OEM - transportation of dry food
- railcar interior coatings

Guertin Coatings - A Division of Cloverdale Paint Inc
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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 1:1 by volume:

1 Part EF74766P1 base to
1 Part EF74766P2 epoxy part 2

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

Application Instructions

Application Temperature

Minimum	55℉ (10℃)
Maximum	100℉ (38℃)

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

- 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 4.0 – 6.0 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℉ (21℃)
Tack Free	6.0 hours
Dry Through	18 hours

Recoat Window for best D.O.I

Substrate Temp	70℉ (21℃)
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℉ (10°- 38℃). App ly at a relative humidity level between 33% - 85%.

Surface temperature must be at least 5℉ (3℃) abov e 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, or SP05127T0.

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.

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