

TECHNICAL DATA

EF75081

Description

EF75081 is a high solids, 3.5 VOC, epoxy quick curing primer. No induction time required.

Mixed Coating Properties

Color	Gray
Mix Ratio	4 parts EF75081P1 base to 1 part EF75071P2 epoxy activator
Mixed VOC	3.50 lbs / gal or 419 grams / litre
Mixed Volume Solids	50.5%
Mixed Sag Resistance	
Airless	6 – 10 mils
Air Assist Airless	6 – 10 mils
Air Spray	6 – 10 mils
HVLP	6 – 10 mils
Salt Spray (B1000)	1000 hours @ 4-5 mils DFT (Primer + topcoat)
Theoretical Coverage	810 ft ² / gal (19.9 m ² / litre) @ 1 mil DFT

DFT = Dry Film Thickness

Product Weight - Container weight not included

EF75081P1 base	13.53 lbs / gallon or 1.622 kg / litre
EF75071P2 epoxy part 2	7.52 lbs / gallon or 0.901 kg / litre

Shelf Life

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

EF75081P1	1 year	EF75071P2	2 years
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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.

	50°F (10°C)	68°F (20°C)	86°F (30°C)
Mixed Viscosity: Zahn # 2 / cps	18" / 225 cps	17" / 200 cps	16" / 210 cps
Potlife (Hours)	> 8	6	2.25
Gel Time (Hours)	> 24	24 - skinned	24 - skinned
Tack Free (Hours)	> 7	5.75	2.25
Dry Through (Hours)	> 12	8	4.75
Flash Time prior to Supershield Topcoat	1.5	0.5	0.5

BENEFITS

- excellent flow out
- excellent sprayability
- quick drying
- excellent edge coverage
- corrosion resistance
- high abrasion resistance

USES

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

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Surface Preparation

NACE No.3 (SSPC – SP6) Commercial Blast minimum
Anchor profile between 1.2 - 2.3 mils

Mixing Instructions

- 1) Pre-Mix EF75081P1 Base for 2 minutes with an air-operated Jiffy Mixer®, or equivalent, to produce a uniform consistency within its container
- 2) Properly ratio material at 4:1 (by volume):

4 Parts EF75081P1 Base to
1 Part EF75071P2 Epoxy Activator
- 3) Mix material for 3 minutes with an air-operated Jiffy Mixer®, or equivalent, to a uniform consistency before use
- 4) No induction time required
- 5) No Thinning required
- 6) 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:	1.0 – 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 follow 'Mixing Instructions' procedures.
- Apply in wet coats 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 2.5 - 3.0 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.

Recoat Window for best D.O.I

Substrate Temp	70°F (21°C)
Over Itself	up to 3 days
With Urethane Topcoat	3.0 hours to 24 hours
With Super-Shield® Topcoat	1 to 4 hours

Flash times:

Allow a minimum of 3.0 hours flash off time before applying a two-component urethane topcoat. Higher film builds (>4mils) and/or cooler temperatures will require longer flash times.

For flash off times using Supershield, refer to the table on the first page of this Technical Data Sheet.

The epoxy primer can be recoated with itself up to 3 days. After 3 days the epoxy primer must be scuff sanded.

It can be topcoated with 2K urethane topcoats up to 24 hours. It can be topcoated with Super-Shield® up to 4 hours. The epoxy primer must be scuff sanded prior to topcoating if the above recoat windows have been exceeded.

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

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