



**GLOBAL
PAINTS FZC**

GP COAT EPOXY 117-SF

Polyamide cured epoxy primer.

- . Superior epoxy polyamide coating.
- . Exterior and interior coat as Steel and cement primer.
- . Forms durable coating systems with a wide range of top coat for immersion and and non immersion services.
- . Excellent rest inhibitive Shop primer in corrosive environments.

TYPICAL USE.

(With suitable top coat)

INDUSTRIAL- cement structures and floor, high beams, also can be used in Structural steel, machinery, pipes and tanks exteriors in paper mills. oil refineries, Power plants, Chemical process and waste treatment plants for both immersion and non immersion service.

NUCLEAR- in nuclear power plants including containment on area subjected to radiations and decontamination and waste handling facilities.

Your Global paints representatives will pleased to help you evaluate your particular protection needs and make correct recommendation to suite your specific requirements. refer also to individual top coats for ,more detailed information on complete primer/ top coat systems.

OUTSTANDING CHARACTERISTICS.

With the proper top coats both the primer and top coat withstand splash or spillage of water. , solvents chemicals and petroleum products, but also immersion in fresh water or sea water salt solutions and sour crude.

APPEROVALS AND CERTIFICATES.

GP coat epoxy 117 is widely specified for cement surface, steel and wall coating where extra protection is required. it meets requirements of the American standard institute (ANSI) and other engineering specifications . Suitable top coats are Global coat epoxy mid coats , Epoxy topcoats, Coaltar epoxies, Acrylics topcoats, Alkyds and Poly urethane coatings.



APPLICATION DATA SUMMERY.

For complete information or procedures equipments and safety precaution, see the application instructions like all high performance coatings product must be applied as recommended to obtain the maximum performance.

EQUIPMENT-

Standard industrial spray equipment, either conventional or airless.

PHYSICAL DATA.

Finish	:	Flat
Color	:	Red oxide, Off white.grey
Substrate aluminum and galvanizing.	:	Blasted steel primed steel , .
Components	:	2
Curing mechanism between components.	:	By solvent released and reaction .
Volume solid	:	95 +- 3 %
ASTM – D – 2697, modified		
VOC content	:	2 % by wt
Dry film thickness	:	150-200 microns per coat
Number of coat	:	1
Calculate coverage	:	5 meter square at 200 microns
.		Allow for application losses and surface irregularities.
.		etc.
Application method. brush or roller ,		Airless or conventional spray .
Pot life at 30 degree C	:	1-2 hr hours.
Drying time to recoat , Handle top coat	:	1.5-2.5 hrs at 30 degree
Pot life is depend on temperature and quantities mixed		
Induction time at 20 degree	:	not applicable



Mixing ratio (By volume) : Resin 4 parts : Cure 1 part.

Thinner : GP coat thinner

Cleaner GP coat

Specific gravity mixed product : 1.49

Flash point : closed cup : resin - 24 degree

Cure 24 degree

Thinner 30 degree

Cleaner 3 degree

Packaging.

Resin 16 ltr in 20 ltr can

Cure 4ltsd in 4 ltr can

Shelf life 1 year from shipment date., when stored indoors in un opened .

WEATHERED GALVNISED SURFACES.

If galvanizing has to exposed to exterior gathering for six month or more remove zinc corrosion product by mechanical means (like powder sander). Remove oil or grease with Glob coat 576 oil cleaner..

ALUMINIUM SURFACES.

Remove oil, And grease with GP coat 576 oil cleaner lightly blast with fine abrasive or apply chromate – type conversion treatment., such as alodine 1200 by mayo bv.

IMPORTANT; apply primer as soon as possible after surface preparation to prevent any contamination; do not leave Blasted steel un coated over night. In case of contamination remove contaminants. Spot blast steel if needed.

APPLICATION EQUIPMENT.

The following equipment is listed as a guide and suitable equipment from other manufactures may be used. Adjustment of pressure and tip size may be needed to obtain the proper spray characteristic.

Conventional spray.-Industrial; equipment such as Devilbiss MBC or JGA gun with 78 or 765 air cap E fluid tip and heavy mastic spring or binks no 18 0r 62 with a 66x63 PB nozzle set up. Separate air and fluid pressure regulators mechanical pot agitator and moisture and oil trap in the main air supply are recommended.

MIXER- Use power mixer, mixer must be powered by An air mortar or an explosion proof electric motor.



Environmental conditions

During application air temperature must be 5- 50 degree C. The applicator must keep the surface temperature 3 degree above the dew point, which will prevent the moisture condensation. Minimum temperature for satisfactory cure is 10 degree.

Never apply coating under adverse environmental condition Ensure good ventilation when applied over confined areas to assist evaporation or elimination of solvent Drying and curing time are depend on air and steel temperature, applied film thickness and ventilation and other environmental condition Times are proportional shorter at higher temperature and higher at lower temperature.

Application procedure

- 1 Flush Equipment with recommend cleaner
2. Stir resin (in larger container) to and even consistence with power mixer.
3. Add cure resin and continue stir with proper mixer. Pot life of the material will be shortened by high temperature; do not mix more material than used in 8 hrs 18- 27 degree.
4. Conventional spray thin only as need for workability with no more than approximately 10 % vol of recommended thinner. Thinning is not needed for airless spray.
5. Stir during the application to maintain the uniformity of material, apply wet coat even parallel passes Overlap each coat 50 % bare areas, pin holes or holidays
6. Double coats all welds rough spot sharp edges corners and rivets bolts etc.
7. Application at 104 microns wet film thickness normally provide 50 micron dry film thickness
8. Check thickness of dry film with non destructive dry film gauge. If less than specified gauge apply additional material as needed.

Note: All data statement and recommendations made here are based upon information we believe to be reliable, but are made without representation of guarantee or warranty of accuracy. Our products are sold on the condition that the user themselves evaluate them as well as our formulae and recommendations to determine their stability for its own purpose before adoption. Also statements regarding the use of our products or process are not construed as recommendations for their use in violation of any patent right or violation of any applicable laws of regulation.