

CODE: EP-268- M

PRODUCT NAME:

Polyamine Cured Epoxy Glass Flake

DESCRIPTION:

EP-268-GF is a high build self priming , epoxy coating with high glass flake content with excellent durability in both marine and industrial environments and

Also good chemical and weather resistance. This paint is also suitable for immersion service with a thickness of 500 microns. It can be used over inorganic zinc Primers for long term protection. EP- 268-M can be top coated by Polyurethane or Acrylics. It adheres to a variety of substrates such as steel, stainless steel and concrete.

EP-268-M protects marine structures, petroleum processing and storage facilities, offshore platforms, splash zone and tidal zones.

TECHNICAL DATA:

Binder	Epoxy resin
Pigment	Special chemical resistant pigment
Finish	Flat
Shade	White, grey, red brown,
Specific Gravity	1.5±0.1 Kg/lit
Volume solid	70±2 %
Flash point	28 ° C
Typical dry film thickness	200-500 Microns per one coat
Number of coat	One or two
Mixing ratio by weight	Base : 100 parts Hardener : 16 parts
Substrate	Sand blasted , primed steel or concrete,
Glass flake content	30-35 % by weight in dry film
Application Method	Conventional or airless spray, brush, Roller
Thinner	T-200
Weight of added thinner	5-10%
Packing	Base:25 Kg Hardner:4 Kg
Theoretical spreading rate One coat at 200 microns	3.5 M ² /L
Shelf life	One year

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Drying Time

Temp	Touch dry	Hard dry	Overcoating		Full cure
			Min	Max	
15°C	4 hours	24hours	24 hours	-	12 days
25°C	2 hours	17hours	18 hours	-	7 days
40°C	1 hours	11 hours	12 hours	-	4 days

Note: Drying times are dependent on applied film thickness; all data in this catalogue are reported at recommend DFT.

Pot life

Temp. of paint	15°C	25°C	40°C
Pot life	4 hours	3 hours	90 minutes

Surface Preparation

The performance of this product will depend upon the degree of surface preparation. The surface to be coated must be clean and free from contamination. Prior to paint application all surfaces should be assessed and treated in accordance with ISO 8504:1 1992.

Accumulated dirt and soluble salts must be removed. Dry bristle brushing will normally be adequate for accumulated dirt. Soluble salts should be removed by fresh water washing.

Oil or grease should be removed in accordance with SSPC-SP1 solvent cleaning.

Abrasive Blast Cleaning

Abrasive blast cleans to Sa 2½ (ISO 8501-1:1988) or SSPC-SP6. If oxidation has occurred between blasting and application of EP-268-M, the surface should be reblasted to the specified visual standard.

Surface defects revealed by the blast cleaning process, should be ground, filled, or treated in the appropriate manner.

Surface profile of 40-70 microns is recommended.

-Surface preparation shall not take place in following conditions:

A-At temperature below 5 °C.

B-When the relative humidity greater than 85%.

C-When the metal surface temperature is less than 3 °C above the dew point.

D- Out side day light hours on exterior lacerations.

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Application Method:

Material is supplied in two containers as a unit. Always mix a complete unit in the proportion supplied. Once the unit has been mixed it must be used within the working Pot life specified.

1-Agitate part A with a power agitator.

2-Combined entire contents of curing agent (part B) With Base (Part A) and mix thoroughly with power agitator.

(Stir during application to maintain uniformity of material.)

Application Equipments

Air less Spray	Tip range 0.021-0.025inch Total output pressure at spray tip not less than 190 Bar (2700 psi)
Air Spray (Pressure pot)	Gun:Devilbiss MBC or JGA Air Cap:704 or 765 Fluid:E
Brush	Typically 150 mic can be achieved.
Roller	Typically 150 mic can be achieved.

Flush Equipment with recommended Cleaner before and after use.

ENVIRONMENTAL CONDITIONS:

- To prevent moisture condensation during application, surface temperature must be at least 3 °C above the dew point.
- Never apply coatings under reverse environmental condition.
- In hot climate, material temperature should be 20 to 25 °C prior to mixing; otherwise pot life becomes very short.
- For satisfactory cure, air and surface temperature must be above 10 °C.
- Paint shall not be applied when wind speed is in excess of 7 m/s.

Air temperature	10 to 40 °C
Surface temperature	10 to 50 °C
Material temperature	10 to 30 °C
Relative humidity	Max 80 %

HEALTH AND SAFETY:

This product is Flammable. Keep away from heat and open flame .Keep container closed .Use with adequate ventilation. Avoid prolonged and repeated contact with skin. If used in confined areas, observe the following precautions to prevent hazards of fire or explosion or damage to the health:

- 1-Circulate adequate fresh air continuously during application and drying.
- 2-Use fresh air masks and explosion proof equipment.
- 3- Prohibit all flames, sparks, welding and smoking.

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