



Product Description

Polyamine Cured Epoxy Glass Flake is a two component Polyamine epoxy coating with high glass flake content with excellent resistance expose water, chemical and mechanical agents.

Recommended Use

This coating is used for protection marine structures, storages facilities and petroleum processing in both marine and industrial environments. Also Polyamine Cured Epoxy Glass Flake is suitable for immersion service with a thickness up of 500 μ.

Surface Preparation

- 1: All surface to be coated should be clean, dry and free from contamination prior to paint application, all surfaces should be assessed and treated in accordance with ISO8504:1992. ,where necessary , remove weld spatter , and where required smooth weld seams and sharp edges .Oil or grease should be removed in accordance with SSPC-SP1 solvent cleaning .
- 2: Abrasive blast clean to Sa 2 1/2 (ISO 8501-1:1998) or SSPC-SP10 if oxidation has occurred between blasting and application of this coating , the surface should be re blasted to the specified visual standard , after blast clean , one layer of sealer epoxy is recommended .
- 3: Angular surface profile of 70-100 μis recommended.

Product Description

Shade:	RAL colors
Percentage of Volume solids:	70%-75%
Dry film thickness	300-400 μ
Wet film thickness:	375-570μ
Theoretical Coverage:	1-3 m ² /kg
Mixing ratio by weight: B/A	26:4
Specific gravity:	1.6-1.8 Kg/Lit
Viscosity:	110-120 k
Salt spray chamber test:	500h(ASTM B-117)
Humidistatic chamber test:	500h (ASTM D -2247)
Recoating interval time:	1-7 days
Curing mechanical :	Solvent vaporization and reaction between two components
Thinner :	Epoxy Thinner Rangin Zereh Sepahan
Shelf life:	A= 12 month , B= 12 month
Flash point:	28°C

Dry times are dependent on applied film thickness, all data in this catalogue are reported at recommend D.F.T in laboratory conditions.





Temperature	Touch dry	Full cure	Recoating	Pot life
15°C	Minimum 14 hours	Minimum 10 days	30-36 hours	8 hours
25°C	Minimum 8 hours	7 days	24 hours	6 hours
40°C	4 hours	5-7 days	16-24 hours	4 hours

Environmental Conditions

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

Application Details

Airless spray	Tip range: 0.035-0.050 inch Total out put pressure at spray tip not less than 141 bar.
Air spray	Not recommended
Brush	80-100µ (touch up)
Roller	80-100µ (touch up)

Application Procedure

- 1: Flush all equipment with recommended clear before use.
 - 2: Stir part A with a power mixer.
 - 3: Add curing agent (part B) to part A, and continue stirring for 5 minutes.
- Note: since the pot life is limited and shortened by high temperatures, do not mix more material than will be use.
- 4: For easily application with airless spray 3% of thinner is normally sufficient.
 - 5: Stir during application to maintain uniformity of materials apply wet coat by parallel passes overlap each pass 50% to avoid bare areas.
 - 6: Double coat all welds, rough spots, sharp edges, rivets, bolts, etc., to ensure proper thickness.
 - 7: Recoating time should be attention for achieved thickness of regard contractor.
- Note: If the minimum recoating of this coating is exceeded , and greater thickness of this coating is required , the surface must be smoothly wire brushed and applicated one layer of sealer epoxy an then Polyamine Cured Epoxy Glass Flake.
- 8: Clean all equipment with recommend cleaner immediately after use.

Safety

This product is flammable keep away from heat and open flame operator (accordance MSDS of this product) must use special mask and safety gloves and operation should be performed in environments which is equipped with suitable air conditions.

Storage Conditions

Store in closed container and away from direct sunlight at temperature of 5-35 °C.

