



الشركة اليمنية لصناعة الطلاء و مشتقاته المحدودة

Yemen Company for Paints & Derivatives Ltd.

HIGH SOLIDS EPOXY - ALUMINUM

DESCRIPTION:

Gamma High Solids Epoxy Aluminum is a high build and high performance 2 component, polyamide adduct cured epoxy paint system. It is designed for those areas where blasting is impossible. It has good resistance to all types of severe environments like high humidity and moisture.



USES:

It can be used in steel structures, bridges, tanks, piping and water tower. It can be applied over damp surfaces.

MAIN FEATURES:

- Excellent durability to all types of chemical environment.
- Outstanding adhesion to wide variety of surfaces.
- Provides superior performance that conventional one.

SURFACE PREPARATION:

In general coating performance is proportional to the degree of surface preparation. Abrasive blasting is the most effective method. Ensure surfaces are completely dry in depth and free of dirt, oil, grease or other contamination.

Physical Properties	
Color	Aluminum
Finish	Semi Gloss
Curing Mechanism	Cross linking Reacting between epoxy and polyamide
Mixing Ratio	Resin to Hardener (1 : 1 by volume)
Volume Solid	85 %
Specific Gravity	-
Flash Point	-
VOC	150 gm / lt.
Dry Film Thickness	100 – 125 μ per one coat
Theoretical Coverage	6.0 – 6.5 m ² / lt. for one coat
Flash Point	-

For Further Information, please contact us at:

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Application Details

Substrate	Mechanically cleaned Steel or Concrete surface
Thinners	Normally not necessary. If desired, with Epoxy Thinner max. 5-10%.
Mixing	Mix base component uniformly before adding hardener, then combine recommended ratio & mix thoroughly for at least 2-3 minutes. Keep the added mixtures for 5 – 10 minutes for complete reaction, before the start of application
Pot life@ 30°C	3 – 4 Hours
Application Condition	25°C – 40°C / 50 – 70 RH
Clean Up	With Epoxy Thinner
Application Method	Airless or conventional spray. Touch- up can be made with brush or roller
Drying Time @ 30°C	Tack-Free (3 – 4 Hours) in 60 – 70% RH. Recoat * (> 18 hrs & < 24 hrs)

*If Recoat time is exceeded, slight sanding with sand paper is necessary, to create a surface profile.

Performance Characteristics

Impact Resistance	> 140 cm.kg - By ASTM – D 2794
Flexibility	1 / 8" – By ASTM – D 173 (By Conical Mandrel)
Hardness	ISO Class – I – By ISO 2409 (By Cross Cut Hardness Tester)
Salt Fog Exposure	No Blistering / rusting for 1000 hours. – By ASTM – B 117
Safety Health & Environment (S.H.E)	Handle with care – Strictly follow the handling, storage and use instruction on paint cans and /or MSDS including the personal protection equipment necessary during application. Always preferred to apply in well ventilated areas.

Note: Data, specifications, directions and recommendations given in this data sheet represent only test results or experience obtained under controlled or specially defined circumstances. Their accuracy, completeness or appropriateness under the actual conditions of any intended use of the Products herein must be determined exclusively by the Buyer and/or User.

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