



EPOXY FOR CONCRETE FLOOR

DESCRIPTION:

Gamma Epoxy for Concrete Floor is a high build 2 components, polyamide adduct cured epoxy paint with low wetting properties and low water permeability. It is self priming and forms a hard and tough coating which has good resistance against abrasion, impact as well as to sea water, mineral oils, mild acid, aliphatic hydrocarbon and splashes from petrol and related products.



USES:

As a high build primer, intermediate and / or finishing coat in heavy duty paint system. (As a finishing coat, where a cosmetic appearance is of less importance)

MAIN FEATURES:

- Excellent durability to all types of chemical environment.
- Outstanding adhesion to wide variety of surfaces.

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	Grey
Finish	Semi-Gloss
Curing Mechanism	Cross linking reacting between epoxy and polyamide
Mixing Ratio	Resin to Hardener (3 : 1 by weight)
Volume Solid	51 ± 1 %
Specific Gravity	1.43 ± 0.02
Flash Pont	30°C
VOC	400 gm / lt.
Dry Film Thickness	45 - 50 µ per one coat
Theoretical Coverage	10 – 11.5 m ² / lt. for one coat.
Flash Point	51 ± 1 %

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 at 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	> 120 cm.kg - By ASTM – D 2794
Flexibility	1 / 4" – By ASTM – D 173 (By Conical Mandrel)
Hardness	ISO Class – II – 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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