



G. L. € Paints
دهانات جي.إل.إي

Technical Product Specifications Epoxy Self-Leveling

Industrial paints

PRODUCT DESCRIPTION

Epoxy Self-Leveling is a three-component heavy duty floor coating that provides a high gloss, seamless, hygienic surface that is extremely hard wearing and durable. The coating can also be applied to provide a nonslip texture in combination with non-slip aggregates. This product may be top coated if required.

PRODUCT CHARACTERISTICS

- Solvent free thus no solvent smell.
- High gloss thus easy to clean contamination.
- High impact and chemical resistance
- Seamless and dust free.
- Good light reflectant.

RECOMMENDED USE

Suits indoor and outdoor applications .

TYPE OF SURFACE

Floor & Concrete substrate

TECHNICAL SPECIFICATION

Final Appearance	Glossy- As per color card
Viscosity	approximately 3000-4000 m Pas
Density	1.5 ± 0.05 gm/cm³ (at °25C temperature and %50 humidity). according to (ASTM D13-1475)
Solids by Volume	99± 1%
POT LIFE	20 min at °15- °35C

METHOD OF APPLICATION

- The entire contents of the Component A is mixed and poured into a clean mixing barrel .
- Then empty Component B into the mixing barrel and mix for 1 minute using a mechanical stirrer.
- Charge in Component C and mix further for 1 minute till homogeneous.
- Use a 300 - 500 rpm slow-speed drill, with a spiral mixing blade or Jiffy mixer.
- Move the mixing blade in circles around the inside edge of the pail from bottom to top.
- The inclusion of air in the stirring process must be avoided.
- The mixture is poured on the primer in portions and spread with a roller.
- If required it must be immediately scattered with mineral element.

Mixing Ratio	Comp A liter. Comp B liter. Comp C kg
Tools	Roller, Brush, Sprayer



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DRYING TIME

Typically, at recommended film thickness, drying time is generally depended on good ventilation.

Surface Drying	6 - 8 hours approximately
Re-coating	18 hours approximately
Full Dry	24 hours

RECOMMENDED COATING SYSTEM

- Concrete should be minimum 28 days old to allow for curing.
 - Prior to the application of any coating the maximum moisture content allowed is %4.
 - Concrete Substrates must be cured, sound, clean, dry and free from laitance, loose particles and contaminants such as oil, grease, curing compounds, shuttering oils, chemicals, etc.
 - This is achieved by using the adequate combination of mechanical means such as abrasive blast cleaning, grinding, high-pressure water jetting (150 bars/ 2200 psi) and detergent cleaning.
- Unsound concrete, surface defects, blowholes, honeycombs, aggregate pop-offs.

FOR NEW CONCRETE FLOORS

- 1 Coat Epoxy Primer 50 Microns DFT .
- 1 Coat Self-Leveling Epoxy from 1000 to 3000 Microns DFT .

FOR NEW Steel/Metal Substrates

- 1 Coat Epoxy Primer @ 60 Micron DFT .
- 1 Coat Self-Leveling Epoxy from 1000 to 3000 Microns DFT .

CONDITIONS OF APPLICATION

- Temperature of surface to be painted should not be lower than °10C and °3C above dew point .
- Appropriate air temperature and humidity should be observed .
- Mix tow components by mix ration of 4 part A : 1 Part B for 5 mins until completely homogeneous by low-speed mixer .
- 10-%20 thinner can be added to the mixture · Apply mixture by roller or spray .
- A second layer can be applied after first layer dries .

GENERAL NOTES

- 1- Actual spreading rate depends on many factors like surface condition, effectiveness of application tool, film thickness, surface porosity, surface defects, temperature and quantity lost during application...etc.
- 2 - Maximum spreading rate for one coat may be realized by minimizing the dry film thickness, and vice versa.
- 3 - Paint should be mixed before use if it is made of different batches.

STORAGE

- Two years from the date of production, provided that appropriate storage conditions are observed .
- The product should be stored in a cool, well-ventilated place away from sunlight and direct heat .
- Containers must be tightly closed after use .



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Instructions for use and safety

- Please read and follow the health and safety instructions on the package .
- The product must be handled with caution before and during application .
- Avoid contact of the paint with the eyes and skin or inhale its spray and vapors during application .
- It is advisable to use the product in well-ventilated places or use artificial ventilation when applying with a spray .
- Keep out of reach of children .

SAFETY BREATHING APPARATUS

Where workers encounter concentrations higher than the exposure limits, they must wear suitable, approved masks.

HAND PROTECTION

Protective creams may be used for exposed skin, but they should not be applied after contact with the product. In the event of the prolonged or repeated contact with the hands, use appropriate gloves.

EYE AND FACE PROTECTION

Use eye protectors designed to protect against liquid splashes.

For the safety of the environment:

Please hand over the waste paint and surplus packaging to any local authorized authority for the purpose of use or recycling.

CLARIFICATION

The information in this Technical Specification is given to the best of our knowledge.

It is based on laboratory tests and practical experience.

Golden line paints & putty company takes no responsibility for consequences of breaching the instructions.

The Company reserves the right to change data herein without notice. Version: 2024, Golden Line paints & putty company.

This version supersedes prior versions .



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Kingdom of Saudi Arabia - Riyadh - Tel : 0553201818 - 0112987774

For more information email us at : info@glepaints.com Or sales@glepaints.com

www.glepaints.com