



G. L. € Paints
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Technical Product Specifications

G - URETHANE

PRODUCT DESCRIPTION

G - URETHANE is a two-pack Polyurethane Finish based on the chemical reaction of the polyfunctional Acrylic Polyol and the Isocyanate based material with excellent weathering resistance coating. High duty finishes for maximum gloss and colour retention.

It is specially designed finish coat for exterior and interior use over the appropriate primer for application on ferrous and non-ferrous metal, wood, timber, plastics, masonry and concrete substrates.

PRODUCT CHARACTERISTICS

- Long recoatability properties.
- Can be applied to a large number of substrate.
- Does not chalk easily despite exposure to UV light
- Outstanding abrasion resistance
- Resistant to splash and spillage of large variety of dilute acids, alkalis, detergents, solvents, petroleum products, mineral and vegetable oils.

RECOMMENDED USE

- Mild Steel Surfaces .
- Galvanised Steel Surface .
- Masonry and Cement Concrete Surface .

TECHNICAL SPECIFICATION

Final Appearance	Matt- Semi-gloss - High Gloss
Specific Gravity	1.24 ± 0.05 (for Mixture of Base & Hardener)
Solid Content	1.33 ± 0.5 gm/cm ³ (at 25°C temperature and %50 humidity). according to (ASTM D13-1475)
Solids by Volume	44 ± 2
POT LIFE	4 hours at 25°C

METHOD OF APPLICATION

Diluent and % of Diluent (by volume)	Hot Thinner (10 - 20 %)
Tools	Roller, Brush, Sprayer

FILM THICKNESS AND SPREADING RATE

Recommended No. of Coats	2 coats
Recommended Film Thickness per coat	35 microns for dry film 80 microns for wet film
Theoretical Coverage at Recommended Film Thickness	12.5 m ² / liter (for dry film thickness of 35 microns)
Theoretical Coverage (m²/liter)	Volume Solid (%) x 10 Dry Film Thickness (μ)
Practical Coverage (%20 Loss Factor)	10.0 m ² / liter (for dry film thickness of 35 microns)



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DRYING TIME

Generally, drying time depends on air draft, temperature, film thickness, selected colors, and number of coats. Data in schedule is measured at 25°C temperature and %50 humidity .

Surface Drying	30 minutes
Re-coating	8 hours approximately
Curing time at 25°C to 30°C	7 - 5 days

CONDITIONS OF APPLICATION

- Do not apply when the relative humidity exceeds %85 .
- Do not apply at temperature below 7°C .
- During application of the paint, naked flame, welding operations and smoking should not be allowed and good ventilation is necessary.
- %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 .

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 .

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