TECHNICAL DATASHEET

EPOXY ENAMEL

Polycolor Epoxy enamel Epoxy Enamel is a high-build, two-component, solvent-based epoxy enamel formulated with polyamide curing agents. It is engineered to provide exceptional resistance to mechanical wear, chemical exposure, and moisture intrusion. This heavy-duty coating is ideal for protecting metal, concrete, and other structural surfaces in harsh industrial, marine, and commercial environments.

PRODUCT BENEFITS

- **Outstanding Chemical Resistance:** Provides superior protection against acids, alkalis, oils, solvents, and a wide range of industrial chemicals, making it suitable for chemical plants, refineries, and processing facilities.
- **Exceptional Abrasion Resistance:** Highly durable surface that withstands impact and mechanical abrasion, ideal for high-traffic areas or surfaces subject to frequent handling or wear.
- **Moisture & Water Resistance:** Creates a dense, impermeable film that resists water penetration and prevents substrate degradation due to humidity or immersion.
- **High Adhesion Strength:** Excellent adhesion to properly prepared substrates including steel, concrete, and non-ferrous metals, ensuring long-term performance and coating integrity.
- **Tough, Glossy Finish:** Cures to a smooth, glossy, and highly durable surface that is both chemically resistant and easy to clean.
- **Corrosion Protection:** Offers long-lasting protection against rust and corrosion in aggressive environments, particularly when used as part of a protective coating system.

SURFACE PREPARATION

All surface must be dry, free from dirt, rust, grease, oil and loose paint. For ferrous substrates, prime with polycolor epoxy primer. For aluminium and galvanized steel prime with polycolor 2-pack etch primer. For concrete, apply polycolor epoxy sealer directly to bare dry concrete.

METHOD OF APPLICATION

Mixing ratio: 3 parts of base and 1 part of hardener by volume

Method: Brush, roller

Thinning: Epoxy 2K thinner

APPLICATION

- Apply 2 coats to 3 coats by brush or solvent resistant roller. Low pressure or airless spray methods can also be used.
- Dilution: base and hardener should be mixed before thinning with epoxy 2K thinner. Dilute 5% to apply to first coat.
- Spreading rate/film thickness: one liter of diluted epoxy enamel can be applied at a spreading rate approximate 6 m2 of surface in 1 coat
- Subsequent coat: Kapci or Polytol acrylic 2K finish to prevent chalking with time and where color retention is important. Alternatively, no subsequent coating is required.

PRODUCT FEATURES

Surface	primed metal, wood and concrete
Available Pack	1L and 5L
Shelf life	12 months from date of manufacture in original tightly closed containers.
Available Color	White and other color
Pot life	3 hours depending on temperature
Finish	Gloss
Drying time	30 Minutes @30 °C

PRECAUTIONS, LIMITATIONS AND ENVIRONMENT FEATURES

- Do not apply in direct sunlight or during rain or expected rain.
- Skin Contact: Wash skin with soap & water. Remove contaminated clothes.
- On eye contact: Immediately splash eyes with plenty of water. Consult Physician if irritation persists.
- Ingestion: It is based on Solvent-Based Coating system, seek medical help.

Left-Over paint disposal:

- Left-over paint/drums should not be disposed in soil/drains. Consumers should consult a local recycling agency for disposal of paint/drums.
- The pails should not be used for storing food items.

DISCLAIMER The product information & application details given by the company & its agents has been provided in good faith & meant to serve only as a general guideline during usage. Users are advised to carry out tests & take trials to ensure on the suitability of products meeting their requirement prior to full scale usage of our products. Since the correct identification of the problems, quality of other materials used and the on-site workmanship are factors beyond our control, there are no expressed or implied guarantee / warranty as to the results obtained. The company does not assume any liability or consequential damage for unsatisfactory results, arising from the use of our products.