TECHNICAL DATASHEET

EPOXY SEALER

Polycolor epoxy sealer is a high-performance, two-component system formulated with a solvent-based, polyamide-cured epoxy resin. Designed to deeply penetrate and seal porous substrates, it effectively fills and blocks pores, ensuring a dense, smooth, and uniform surface prior to topcoating.

PRODUCT BENEFITS

- **Deep Penetration and Pore Filling-**Formulated with low-viscosity epoxy resins that penetrate deeply into porous substrates, sealing micro-voids and capillaries for enhanced surface integrity.
- **Minimizes outgassing** and pinholes in subsequent topcoats.
- **Exceptional Adhesion**-Strong chemical bond with concrete, masonry, and cementitious substrates, providing a **solid foundation** for epoxy, polyurethane, or polyaspartic topcoats.
- **Reduces risk of coating delamination** and enhances system longevity.
- **Chemical and Solvent Resistance**- Provides excellent resistance to chemicals, oils, fuels, and solvents, making it ideal for use in industrial and commercial environments.
- **Moisture Tolerance**-Effective on substrates with minor moisture presence, helping prevent **blistering or peeling** in environments with variable humidity.
- **Durability & Mechanical Strength**- Enhances overall substrate strength and durability, with improved resistance to abrasion, impact, and heavy traffic.
- **Improves Topcoat Performance**- Creates a smoother, more uniform surface which enhances the appearance and performance of the finish coat.
- Reduces the amount of topcoat required, resulting in material savings.
- **Versatile Application-** Suitable for interior and exterior surfaces in industrial, commercial, and residential projects.
- Can be used as a primer or stand-alone sealer depending on project requirements.
- **Fast Recoat Time-** Optimized drying and curing times allow for quicker project turnaround and minimal downtime.

AREAS OF APPLICATION

Compatible Substrates:

- Concrete and Plaster Surfaces
- Wood
- Metal (Primed)

Recommended Application Areas:

- Industrial Facilities
- Marine Environments
- High-Corrosion Zones
- Commercial Spaces
- Residential

PRODUCT FEATURES

Surface	Exterior and Interior
Available Pack	1L and 5L
Shelf life	1 year from date of manufacture in original tightly closed containers.
Pot life	3 hours depending on temperature
Available Color	Transparent
Flash point of mix	25 °C
Finish	Gloss
Drying time	4 hours @ 30 °C
Overcoat application	6 to 8 hours depending upon film thickness

SURFACE PREPARATION

- All areas must be dry, free from dust, grease, oil and loose paint.
- For ferrous substrates, prime with Polycolor Epoxy primer.
- For aluminum and galvanized steel, prime with polycolor 2 pack etch primer.
- For concrete surfaces, apply polycolor epoxy sealer directly to the bare dry concrete.

APPLICATION PROCESS

Method	:	Brush, Roller and air spray gun
Mixing ratio by volume		3 parts base and 1 part hardener
Thinning	:	Epoxy 2K thinner
Dilution	:	10% for first coat

APPLICATION

- Apply two to three coats by brush or solvent resistant roller. Low pressure or airless spray methods can also be used.
- Dilution: mix base and hardener before thinning with Epoxy 2K thinner. Dilute 10% to apply the first coat.
- Spreading/film thickness: one lier of diluted Epoxy sealer can be applied at a spreading rate approximately 6m2 of surface in one coat.
- Drying time: dry to touch in approximately 4 hours. Epoxy sealer can be overcoated after 6-8 hours dependent upon film thickness. It must however be overcoated within 3 days of its application.
- Subsequent coat: Kapci or Polytol Acrylic 2K finish to prevent chalking with time and where color retention is important. Alternatively, no subsequent coat is required.

SAFETY AND ENVIRONMENT FEATURES

- Store the container with the tightly closed lid in an upright position, in a cool dry place.
- Keep out of reach of children and away from eating tables.
- May be harmful if swallowed. In case of ingestion seek immediate medical attention.
- Wear eye protection during application. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- In case of skin contact, immediately wash skin with soap and plenty of water. Get medical attention if irritation develops or persists.

- Do not breathe vapor or spray. It is recommended to wear suitable nose pad during sanding and surface preparation to avoid dust inhalation.
- Do not pour leftover paint down the drain or in water courses.
- In an event of spill, contain spillage using sand or earth.
- No added Lead, Mercury or Chromium compounds.

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/drums should not be used for storing food items.

DISCLAIMER
These recommendations are meant as a guide, no guarantee is implied since conditions of use, method of application and cleanliness of the substrate prior to painting are beyond our control.

Polytol Paints

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