TECHNICAL DATASHEET

ADVANCE PU ENAMEL PAINT (2 IN 1) PRIMER INTERGRATED

Polycolor ADVANCE PU ENAMEL Paint is a high-performance PU modified alkyd based advanced coating. It is also used on metal, wood & masonry substrate. It is a protective paint which provides an exceptional corrosion protection with very good adherence for metal, wood and masonry substrate. Polycolor Advance PU Enamel Paint provides a glossy finish along with increase in strength and durability of the surface it is applied on.

PRODUCT BENEFITS

- **Corrosion Protection:** It provides a durable barrier that protects metal surfaces from rust and corrosion caused by moisture, salt, and other environmental factors.
- **DTM:** Direct to metal substrate application (apply 2-3 coats)
- **Long-Lasting Durability:** The enamel finish is tough and designed to withstand harsh conditions, offering long-term protection for metal surfaces.
- **Smooth, Glossy Finish:** It delivers a smooth and glossy (mirror effect) appearance that enhances the aesthetic appeal of surfaces while maintaining a protective layer.
- **Improved Adhesion:** The product adheres well to different surfaces, ensuring that the protective coating stays in place and provides effective protection.
- **Easy Application:** It typically has a user-friendly application process, whether by brush, roller, or spray.
- **Weather Resistance:** ADVANCE PU ENAMEL PAINT offers resistance to UV rays, moisture and temperature changes which means it has maintained his protective qualities over time.
- **Versatility:** It can be used on a variety of metal surfaces, including fences, machinery, automotive parts, and outdoor equipment, making it a versatile option for many applications.
- **Prevents Future Rust Formation:** By sealing the surface from exposure to the elements. It helps prevent future rust and corrosion by extending the life of metal items.

AREAS OF APPLICATION

- Automotive parts
- Metal fences and gates
- Outdoor equipment
- Industrial machinery
- Metal roofing
- Pipes and plumbing fixtures
- Marine and boat parts
- Storage tanks
- Metal furniture
- Construction equipment
- Railroad tracks

PRODUCT FEATURES

Surface	Exterior and Interior
Available Pack	1L, 5L and 20L
Shelf life	2 years from date of manufacture in original tightly closed containers.
Available Color	Brilliant White and Jet Black
Coverage	6 - 8 m^2/L/2 coats / 4.5 – 6 m^2/L/3 coats
Finish	Gloss (as stock item) but for Satin & Matt finish on special demand.
Drying time to touch	90 Minutes @ 25 – 35 °C
Tack free time	6-8 hrs

SURFACE PREPARATION

METAL:

- Remove existing paint, loose rust, mill scale from the metal surface by chipping, scrapping or using any suitable solvent.
- Sand the surface with emery paper 180 and wipe clean.
- Use wire brush/ machine tool to smoothen the rust pikes and sharp edges from the rusted surface.
- For welded joints, ensure sharp edges/pikes are smoothened with machine tool.
- Where applicable, apply spot painting. Allow this spot paint to dry before starting complete painting.
- Clean the surface using solvent to remove greasy deposits, fine particle and dust.
- Ensure the surface is clean and dry before painting.
- Apply 2-3 coats of gloss enamel advanced, and ensure the surface is clean and dry before applying gloss enamel PU - advanced.

GALAVANISED IRON:

- Remove existing paint, loose rust, mill scale from the metal surface by chipping, scrapping or using any suitable solvent.
- Sand the surface with emery 180 - 350 paper and degrease the surface well.
- Apply 2-3 coats of gloss enamel advanced, and ensure the surface is clean and dry before applying gloss enamel PU - advanced.

WOOD:

- Sand the wooden surface with emery paper 180 and wipe clean.
- Apply a coat of Alkyd undercoat as Primer first.
- Apply 2-3 coats of gloss enamel advanced, and ensure the surface is clean and dry before applying gloss enamel PU - advanced.

APPLICATION PROCESS

Method	:	Brush, Roller and spray
Dilution	:	No dilution (if needed up to 10 % for spray)
Drying time	:	6-8 hours

POST PAINTING CARE

- For the best performance of the paint, ensure proper cleaning of all dust, oil and external particles, if any, at regular intervals of six months.

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.