



Technical Data Sheet for Oil-Based Enamel

Product Description

Oil-Based Enamel is a premium-quality, solvent-based coating designed to provide a durable, high-gloss, or semi-gloss finish with excellent resistance to wear, weathering, and moisture. Formulated with alkyd resin and high-performance pigments, it delivers superior adhesion and toughness, making it ideal for both interior and exterior surfaces.

This enamel paint offers excellent coverage, leveling, and flow, ensuring a smooth and flawless finish. Its high durability allows it to resist chipping, cracking, and fading under harsh conditions, making it suitable for applications in high-traffic areas and outdoor settings. The product is available in a wide range of colors, making it versatile for decorative and protective purposes.

The long-lasting performance and aesthetic appeal of Oil-Based Enamel make it a preferred choice for furniture, metal, woodwork, walls, and machinery. It is compatible with various primers and substrates, ensuring reliable application and finish. Additionally, the high gloss enhances the appearance of surfaces, creating a polished and professional look.

Recommended Use

Oil-Based Enamel is highly versatile and suitable for various residential, commercial, and industrial applications, including:

- Interior Woodwork:**
 - Ideal for doors, window frames, cabinets, and furniture, providing a smooth, durable finish resistant to scratches and stains.
- Metal Surfaces:**
 - Protects gates, grills, pipes, and machinery from rust, corrosion, and weathering.
 - Provides a glossy, professional look to industrial equipment.
- Walls:**
 - Used in kitchens, bathrooms, and high-traffic areas for a cleanable, moisture-resistant surface.
- Exterior Surfaces:**
 - Suitable for outdoor wood and metal structures, offering protection against UV radiation, rain, and temperature changes.
- Automotive and Marine Applications:**
 - Acts as a reliable coating for vehicle parts, ships, and marine equipment exposed to saltwater and harsh environments.

Proper surface preparation and compatibility with primers ensure optimal results and longevity.

Technical Data

- **Colour:** Available in a wide range of shades
- **Finish:** High gloss, semi-gloss, or matte options
- **Viscosity:** 60–80 KU (Krebs Units) at 25°C
- **Gloss:** ≥85% for high gloss (measured at 60° angle)
- **Flash Point:** >35°C
- **True Pigments:** Titanium dioxide and other premium-grade pigments
- **Binder Solid:** 30–40% (alkyd resin-based)



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- **Volume Solid:** 40–45%
- **Recommended Dry Film Thickness (DFT):** 30–40 microns per coat
- **Covering Capacity (Brushing):** 12–14 m²/L per coat, depending on surface and application method
- **Thickness (DFT):** Achievable in 2 coats
- **Drying Time:**
 - Touch Dry: 6–8 hours
 - Recoat: 16–24 hours

Dosage & Addition

- **Dosage:** Apply one or two coats as necessary. The number of coats depends on the substrate and desired finish.
- **Addition:**
 - Thinning may be done with mineral spirits or turpentine (10–15%) for spray applications.
 - Ready-to-use for brush and roller applications.

Method of Application

1. **Surface Preparation:**
 - Clean the surface to remove dirt, grease, and loose material.
 - Sand glossy surfaces lightly for better adhesion.
 - Apply a suitable primer for porous or rust-prone substrates.
2. **Mixing:**
 - Stir the enamel thoroughly before application to ensure uniform consistency.
3. **Application:**
 - **Brush:** Ideal for smaller areas and detailed work, ensuring even coverage.
 - **Roller:** Suitable for larger, flat surfaces to achieve a smooth finish.
 - **Spray Gun:** Recommended for professional results, offering uniform application and fine finish.
4. **Drying and Recoating:**
 - Allow the first coat to dry for 6–8 hours before applying a second coat.
 - Ensure proper ventilation for optimal drying conditions.

Safety Instructions

- **Personal Protection:**
 - Use protective gloves, goggles, and a respirator to avoid contact with skin, eyes, and inhalation of fumes.
 - Wear protective clothing to prevent accidental splashes.
- **Ventilation:**
 - Ensure good ventilation during application to reduce exposure to fumes. Use fans or open windows in enclosed spaces.
- **Fire and Explosion Hazards:**
 - This product is flammable. Keep away from heat, open flames, and sparks.
 - Store in non-smoking areas and use in well-ventilated environments.
- **First Aid Measures:**
 - **Skin Contact:** Wash thoroughly with soap and water.
 - **Eye Contact:** Rinse immediately with water for at least 15 minutes. Seek medical attention if irritation persists.

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This document provides brief details of our product and is subject to change. For the latest version, please contact us at support@spakslube.com.



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- **Inhalation:** Move to fresh air immediately. If breathing difficulties occur, consult a physician.
- **Ingestion:** Do not induce vomiting. Rinse mouth with water and seek immediate medical help.
- **Storage and Disposal:**
 - Store in a cool, dry place away from sunlight, heat, and ignition sources.
 - Keep containers tightly sealed when not in use.
 - Dispose of unused paint and empty containers in accordance with local regulations.

By following these guidelines, Oil-Based Enamel ensures a high-quality, durable, and aesthetic finish for a variety of surfaces and applications.

