



Technical Data Sheet for Acrylic Enamel

Product Description

Acrylic Enamel is a premium, water-based paint known for its high gloss, durability, and ease of application. Formulated with advanced acrylic resins, this enamel offers superior adhesion, exceptional weather resistance, and long-lasting finish. The paint is designed to provide a smooth and durable surface with a rich color that resists fading and wear over time.

Acrylic Enamel is ideal for both interior and exterior applications, making it versatile for use on wood, metal, masonry, and concrete. Its low-VOC formula ensures a more eco-friendly application, with minimal odor and faster drying times compared to oil-based enamels. The enamel also provides excellent resistance to water, dirt, and abrasion, making it particularly suitable for high-traffic areas and surfaces exposed to harsh conditions.

The product is available in a variety of colors and finishes, ranging from high gloss to satin, and it can be easily cleaned with soap and water, making it a user-friendly option for both professional painters and DIY enthusiasts.

Recommended Use

Acrylic Enamel is versatile and suitable for a wide range of applications, including:

- Interior Surfaces:**
 - Used on wood, drywall, and plaster for a smooth, durable finish.
 - Perfect for furniture, doors, window trims, and cabinets, providing long-lasting protection.
- Exterior Surfaces:**
 - Ideal for metal, masonry, concrete, and wood siding exposed to weather elements.
 - Provides a protective coating for gates, fences, and outdoor furniture, ensuring they are resistant to UV rays and moisture.
- Industrial and Commercial Applications:**
 - Suitable for machinery, equipment, and high-traffic areas where resistance to wear and tear is required.
 - Often used in garages, warehouses, and workshops for both decorative and protective purposes.
- Automotive Use:**
 - Applied to vehicles, providing a high-gloss finish and protection against the elements.
 - Suitable for automotive parts, including bumpers, trims, and wheels, offering enhanced durability and ease of cleaning.
- Decorative Applications:**
 - Can be used for decorative pieces, crafts, and other artistic projects due to its excellent color retention and finish.

Acrylic Enamel's versatility in application makes it a preferred choice for a variety of surfaces and environments, offering both aesthetic appeal and long-term protection.

Technical Data

- Colour:** Available in a wide range of colors
- Finish:** High gloss, satin, or matte
- Viscosity:** 75–85 KU (Krebs Units) at 25°C
- Gloss:** ≥90% (measured at a 60° angle for high gloss)
- Flash Point:** >65°C (non-flammable under normal conditions)
- True Pigments:** Titanium dioxide, iron oxide, and other high-quality pigments



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- **Binder Solid:** 45–50% (acrylic resin-based)
- **Volume Solid:** 40–45%
- **Recommended Dry Film Thickness (DFT):** 30–40 microns per coat
- **Covering Capacity (Brushing):** 10–12 m²/L per coat, depending on the surface type and texture
- **Thickness (DFT):** Achievable in 2 coats for optimal results
- **Drying Time:**
 - Touch Dry: 30–60 minutes
 - Recoating Time: 2–4 hours
 - Fully Cured: 24–48 hours, depending on environmental conditions

Dosage & Addition

- **Dosage:**
 - Apply one or two coats, depending on surface porosity and desired finish. A second coat may be necessary for enhanced opacity and durability.
- **Addition:**
 - Can be thinned with water if necessary (up to 10% for spray applications).
 - Stir thoroughly before use to ensure an even mixture.

Method of Application

1. **Surface Preparation:**
 - Clean the surface to remove all dust, dirt, grease, and contaminants. Sand the surface if required, especially for glossy or previously painted surfaces.
 - For porous or unsealed surfaces, apply a suitable primer to ensure proper adhesion.
2. **Mixing:**
 - Stir the acrylic enamel thoroughly before application to ensure a uniform mixture.
3. **Application:**
 - **Brush:** Ideal for detailed work, corners, and trim. Ensure even coverage for a smooth finish.
 - **Roller:** Suitable for large, flat surfaces. Roll in a "W" pattern to achieve uniform coverage.
 - **Spray Gun:** Recommended for professional-quality application. It allows for smooth, streak-free results, especially on large areas.
4. **Drying and Recoating:**
 - Allow the first coat to dry for at least 30–60 minutes before applying a second coat. Recoating should be done within 2–4 hours for optimal adhesion.
5. **Topcoat Application:**
 - Ensure the primer and enamel are completely dry before applying any topcoats or additional layers.

Safety Instructions

- **Personal Protection:**
 - Wear gloves, protective goggles, and a respirator to avoid skin and eye contact, as well as inhalation of fumes.
 - Use protective clothing, such as an apron, to prevent paint splashes on clothing.
- **Ventilation:**
 - Ensure good ventilation during application and drying to prevent the buildup of vapors. Open windows and use fans to promote air circulation in enclosed spaces.
- **Fire and Explosion Hazards:**

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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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- Acrylic Enamel is non-flammable under normal conditions; however, avoid heat, open flames, or sparks.
- Keep the container tightly sealed when not in use and store it in a cool, dry area.
- **First Aid Measures:**
 - **Skin Contact:** Wash with soap and water immediately. If irritation persists, seek medical attention.
 - **Eye Contact:** Rinse immediately with water for at least 15 minutes. If irritation continues, consult a physician.
 - **Inhalation:** Move to fresh air if dizziness or discomfort occurs. Consult a doctor if symptoms persist.
 - **Ingestion:** Do not induce vomiting. Rinse mouth with water and seek immediate medical attention.
- **Disposal:**
 - Dispose of any unused paint, brushes, or containers according to local waste disposal regulations. Avoid disposing of paint in drains, water systems, or on the ground.

By adhering to these safety guidelines, Acrylic Enamel ensures a high-quality finish while maintaining a safe environment for both users and the surrounding area.

