



## Vinyl Emulsion Technical Data Sheet

### Product Description

Vinyl Emulsion is a premium quality, water-based paint formulated for use on interior walls and ceilings. It offers an exceptional balance of durability, ease of application, and aesthetic appeal, providing a smooth, semi-matt finish. The advanced vinyl resin technology used in this emulsion ensures a smooth and uniform finish, with excellent adhesion and resistance to wear, stains, and dirt. Vinyl Emulsion provides excellent color retention and is ideal for high-traffic areas, where durability and cleanliness are important.

This versatile emulsion is suitable for various interior surfaces, including drywall, plaster, concrete, and wood. The soft, subtle finish is designed to complement a wide range of interior design styles, from modern to classic. The vinyl-based formula ensures that the emulsion provides a high level of flexibility and breathability, allowing the paint to expand and contract with the surface, minimizing the risk of cracking or peeling.

In addition to its excellent aesthetic qualities, Vinyl Emulsion is formulated with a low level of VOCs (volatile organic compounds), making it an environmentally friendly and safer choice for residential, commercial, and institutional spaces. Its fast-drying properties ensure minimal disruption during application and enable quick project turnaround. Furthermore, the easy-to-clean surface ensures long-term maintenance, making it ideal for kitchens, bathrooms, and other spaces prone to dirt and stains.

This paint is available in a wide range of colors to suit any design preference and is a highly practical choice for both new construction and renovation projects. Whether you are painting a single room or a whole building, Vinyl Emulsion offers a cost-effective and high-quality solution for your interior finishing needs.

### Recommended Use

1. **Interior Walls and Ceilings:**

Vinyl Emulsion is ideal for use on smooth interior surfaces such as plaster, drywall, cement, and concrete. It provides a beautiful, smooth finish that is resistant to dirt, dust, and general wear, making it an excellent choice for all areas of the home, from bedrooms to living areas.

2. **High-Traffic Areas:**

Vinyl Emulsion is perfect for areas that experience high traffic or require frequent cleaning, such as hallways, kitchens, and children's rooms. Its resistance to stains, dirt, and scuff marks makes it a practical choice for busy households or commercial spaces.

3. **Residential Applications:**

It is suitable for all types of residential interior painting projects. Whether you are renovating a single room or painting an entire house, the smooth, semi-matt finish of Vinyl Emulsion complements a wide range of interior design themes and is perfect for both traditional and modern spaces.

4. **Commercial Use:**

Vinyl Emulsion is well-suited for commercial spaces, including offices, schools, healthcare facilities, and retail spaces. The ease of application and quick drying time make it ideal for projects with tight deadlines. Additionally, the durability of the finish ensures that the paint can withstand the demands of high-traffic commercial environments.

5. **Light Industrial Environments:**

This emulsion can also be applied to walls and ceilings in light industrial spaces where cleanliness and durability are important. It performs well on various surfaces, offering resistance to everyday wear and ease of cleaning.

6. **Touch-ups and Renovations:**



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The high opacity and excellent coverage of Vinyl Emulsion make it ideal for touching up walls and ceilings that have suffered from wear and tear or for refreshing a tired surface. It can easily cover stains and discolorations, providing a fresh, clean look.

### 7. **Eco-Friendly Projects:**

Given its low VOC content, Vinyl Emulsion is an excellent choice for environmentally conscious building projects. It is a safe, non-toxic option that complies with environmental standards, making it suitable for use in homes, schools, hospitals, and other spaces that require low-emission paints.

### 8. **Pre-Coated Surfaces:**

Vinyl Emulsion is perfect for repainting pre-coated surfaces that are in good condition but need refreshing. It adheres well to previously painted surfaces, providing an attractive, long-lasting finish.

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### Technical Data Specification

- **Colour:** Available in a wide range of shades
- **Finish:** Semi-matt
- **Viscosity:** Medium
- **Specific Gravity:** 1.3–1.5 g/cm<sup>3</sup>
- **Gloss Level:** 10-15%
- **VOC Content:** Low (<50 g/L)
- **Drying Time:** Touch dry in 30 minutes; recoat after 2-4 hours
- **Coverage:** 10–12 m<sup>2</sup> per liter (depending on surface texture)
- **Shelf Life:** 12 months in unopened container

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### Dosage, Addition, and Method of Application

#### 1. **Dosage:**

Vinyl Emulsion offers excellent coverage, typically covering 10–12 m<sup>2</sup> per liter on smooth surfaces. The actual coverage will depend on the surface porosity and texture. For porous surfaces, additional coats may be necessary to achieve full opacity.

#### 2. **Addition:**

- The paint is ready to use and does not require thinning. If needed, add up to 5% clean water to adjust for spray applications or very porous surfaces.
- **Mixing:** Stir thoroughly before use to ensure that the pigments are evenly distributed and that the paint is of consistent viscosity.

#### 3. **Method of Application:**

- **Surface Preparation:**
  - Clean all surfaces to be painted, ensuring they are free from dirt, grease, and loose particles. Sand rough or glossy surfaces to improve adhesion. If applying to new plaster or concrete, ensure the surface is dry and fully cured.
  - Prime porous surfaces or heavily damaged areas with a suitable primer to improve adhesion and ensure smooth coverage.
- **Application by Brush:**
  - Use a high-quality synthetic bristle brush for smaller areas or for cutting in along edges. Apply in smooth, even strokes, working in manageable sections to avoid overlapping and ensure an even coat.
- **Application by Roller:**
  - Use a medium to short nap roller (3/8" to 1/2") for smooth to semi-smooth surfaces. Start by loading the roller with a moderate amount of paint and apply in



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an “M” or “W” pattern to ensure even coverage. Smooth out the paint with long strokes to avoid roller marks and provide a uniform finish.

- **Application by Spray:**

- For spray applications, the paint can be thinned with water (up to 5%). Use a spray gun designed for water-based paints and maintain a consistent distance from the surface to achieve an even, smooth coat. Apply multiple thin coats to avoid runs and drips.

- **Drying and Curing:**

- Allow the first coat to dry for 2-4 hours before applying a second coat. The paint will fully cure within 7 days, offering maximum durability and resistance to wear.

#### 4. **Post-Application Care:**

- Clean brushes, rollers, and spray equipment with warm water and soap immediately after use. If the paint has dried on tools, use a paint remover or brush cleaner.
- Dispose of any leftover paint in accordance with local environmental guidelines. Do not pour excess paint down drains or into watercourses.

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### Safety Instructions

#### 1. **Handling:**

- While Vinyl Emulsion is non-toxic, it is recommended to wear gloves and protective eyewear during application to avoid irritation. In case of skin contact, wash thoroughly with soap and water.
- Ensure adequate ventilation during application, especially in confined spaces. Open windows and doors to allow proper airflow.

#### 2. **Storage:**

- Store the paint in a cool, dry place, away from heat sources and direct sunlight. Keep the lid tightly closed to prevent the paint from drying out or becoming contaminated.
- Do not store in temperatures below 5°C or above 35°C.

#### 3. **First Aid:**

- **Eye Contact:** Rinse eyes immediately with plenty of water for at least 15 minutes. Seek medical attention if irritation persists.
- **Skin Contact:** Wash the affected area with soap and water. If irritation develops, seek medical advice.
- **Inhalation:** Move the affected person to fresh air immediately. Seek medical attention if symptoms persist.
- **Ingestion:** If swallowed, do not induce vomiting. Rinse mouth with water and seek immediate medical attention.

#### 4. **Disposal:**

- Dispose of paint containers according to local recycling regulations. Do not dispose of paint in drains or watercourses.
- For large amounts of leftover paint, contact a licensed disposal facility.

#### 5. **Other Precautions:**

- Keep out of reach of children.
- Avoid prolonged exposure to vapors. Ensure proper ventilation during application and drying stages.