



Specialist Emulsion Technical Data Sheet

Product Description

Specialist Emulsion is a high-performance water-based paint formulated to provide an exceptionally durable and long-lasting finish on a wide range of surfaces. Designed for both residential and commercial applications, this emulsion is ideal for demanding environments where superior protection and aesthetic appeal are required. It is particularly suitable for use in high-traffic areas, such as hallways, kitchens, and bathrooms, due to its resistance to dirt, stains, and moisture.

The advanced formulation of Specialist Emulsion includes a unique blend of resins and pigments that deliver excellent coverage, a smooth, flawless finish, and superior durability. It offers a high level of color retention, ensuring that the painted surface remains vibrant for longer. The product is easy to apply and offers excellent flow and leveling properties, resulting in a professional-looking finish with minimal effort. It dries quickly, allowing for faster turnaround times on projects.

One of the key features of Specialist Emulsion is its low-VOC (volatile organic compound) content, making it an environmentally friendly option for both indoor and outdoor applications. It is designed to be applied to a wide variety of surfaces, including drywall, plaster, concrete, brick, and wood, providing excellent adhesion and flexibility. The emulsion is also resistant to fading, cracking, and peeling, even in high humidity and temperature fluctuations.

Whether used in residential or commercial spaces, Specialist Emulsion provides a professional-grade finish that is both functional and aesthetically pleasing. Its versatility, ease of application, and long-lasting performance make it the go-to choice for projects that demand superior quality.

Recommended Use

1. **Residential Interiors:**

Ideal for painting walls and ceilings in living rooms, bedrooms, kitchens, and bathrooms. Specialist Emulsion is perfect for spaces that require both durability and a smooth, high-quality finish. Its stain and moisture-resistant properties make it an excellent choice for kitchens and bathrooms where surfaces are exposed to regular cleaning.

2. **Commercial and Public Buildings:**

Suitable for use in offices, schools, hospitals, hotels, and retail spaces. The emulsion's durability makes it an excellent choice for high-traffic areas that require frequent cleaning without compromising the quality of the finish. It resists fading and maintains its color over time, making it ideal for environments where aesthetics and longevity are important.

3. **Corridors and Hallways:**

Given its resistance to scuffing and staining, Specialist Emulsion is particularly well-suited for use in hallways and corridors where walls are frequently subject to bumps, scrapes, and marks.

4. **High-Humidity Environments:**

Specialist Emulsion is highly resistant to moisture, making it perfect for use in bathrooms, kitchens, and other high-humidity areas. It prevents mold and mildew growth on painted surfaces, ensuring that the finish remains intact and looks fresh.

5. **Commercial Kitchens and Cafeterias:**

Its high resistance to stains and ease of cleaning make it an excellent choice for commercial kitchens and food service areas. The product can withstand regular cleaning without losing its luster or finish.

6. **Exteriors of Residential Buildings:**



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Specialist Emulsion can be used on exterior walls of residential properties. It provides a protective and aesthetically pleasing finish that is resistant to UV rays, maintaining its color and finish even under harsh weather conditions.

7. Educational Institutions:

The durability and ease of maintenance make Specialist Emulsion a great choice for schools and universities. It is ideal for classrooms, lecture halls, and common areas, where high-traffic surfaces need to be protected from dirt and frequent cleaning.

Technical Data Specification

- **Colour:** Available in a wide range of colors
- **Finish:** Matt, Satin, or Gloss
- **Viscosity:** Medium to high
- **Specific Gravity:** 1.3–1.5 g/cm³
- **Gloss Level:** Low, Medium, or High (depending on finish)
- **VOC Content:** <50 g/L
- **Drying Time:** Touch dry in 30 minutes; recoat after 4-6 hours
- **Coverage:** 10-12 m² per liter (depending on surface texture)
- **Shelf Life:** 12 months in unopened container

Dosage, Addition, and Method of Application

1. **Dosage:**
 - The coverage rate is approximately 10–12 m² per liter, depending on surface texture and porosity. Surfaces with a more textured finish or high absorbency may require additional coats to achieve full coverage.
2. **Addition:**
 - Specialist Emulsion is supplied in a ready-to-use form and does not require dilution under normal application conditions. However, for spray applications or highly porous surfaces, up to 5% clean water may be added to adjust the viscosity.
 - **Mixing:** Stir the paint thoroughly before use to ensure an even distribution of pigments and resins. This helps to maintain a uniform color and consistent texture.
3. **Method of Application:**
 - **Surface Preparation:**
 - Ensure that the surface is clean, dry, and free from grease, dust, and loose particles. Repair any cracks or holes before painting for a smooth finish. For new surfaces such as plaster or concrete, allow the surface to cure fully before applying the emulsion.
 - Sand the surface lightly if necessary to create a smooth, even surface for application.
 - **Application by Brush:**
 - Apply using a high-quality synthetic bristle brush. Begin by cutting in along the edges and corners. Apply the paint in smooth, long strokes to cover small areas evenly. Avoid over-brushing to maintain an even finish.
 - **Application by Roller:**
 - Use a medium nap roller (3/8" to 1/2") for larger areas. Load the roller with a moderate amount of paint and apply it in an "M" or "W" pattern to ensure even coverage. Then use long, smooth strokes to eliminate any roller marks and create a consistent finish.



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- **Application by Spray:**
 - For spray application, thin the paint with up to 5% clean water if needed. Use a spray gun designed for water-based paints. Maintain a consistent distance from the surface for an even coat, and apply multiple thin coats for the best finish.
- **Drying and Curing:**
 - Allow the first coat to dry for 4-6 hours before applying a second coat. Full curing takes approximately 7 days, after which the emulsion reaches its optimal durability and resistance.
- **Post-Application Care:**
 - Clean brushes, rollers, and spray equipment with warm water immediately after use. If the paint has dried on tools, use a paint remover or brush cleaner to clean them.
 - Dispose of any leftover paint according to local waste disposal regulations.

Safety Instructions

1. Handling:

- Although Specialist Emulsion is non-toxic, always wear gloves, safety goggles, and protective clothing during application to prevent skin and eye contact. If contact occurs, rinse the affected area with plenty of water.
- Ensure adequate ventilation when applying in enclosed spaces. Open windows and doors to allow for air circulation and reduce vapor concentration.

2. Storage:

- Store the product in a cool, dry place, away from direct sunlight and heat sources. Ensure that containers are tightly sealed when not in use.
- Do not store the product below 5°C or above 35°C.

3. First Aid:

- **Eye Contact:** Rinse immediately with plenty of water for at least 15 minutes. If irritation persists, seek medical attention.
- **Skin Contact:** Wash affected skin with soap and water. If irritation continues, consult a physician.
- **Inhalation:** Move to fresh air if inhalation occurs. Seek medical attention if symptoms persist.
- **Ingestion:** If ingested, rinse mouth with water and seek medical advice immediately.

4. Disposal:

- Dispose of the product and its containers according to local waste disposal regulations. Do not pour paint down drains or into watercourses.
- For large amounts of leftover paint, contact a licensed disposal facility for proper disposal methods.

5. Other Precautions:

- Keep out of reach of children.
- Avoid prolonged exposure to vapors. Use in well-ventilated areas and always follow the instructions on the product label.

Specialist Emulsion is a versatile, durable, and environmentally-friendly choice for a wide range of painting projects. Whether for residential, commercial, or industrial applications, its superior protection and smooth finish make it an ideal solution for surfaces exposed to wear and tear.