



## Dry Distemper Technical Data Sheet

### Product Description

Dry Distemper is a highly versatile and cost-effective interior paint product, ideal for application on walls and ceilings. It is a powder-based, dry formulation made from natural pigments, minerals, and chalks, which is mixed with water before use. Dry Distemper provides a smooth, matte finish with excellent coverage and is suitable for a variety of substrates including plaster, concrete, and previously painted surfaces. This paint is known for its eco-friendly properties, as it is free from harmful chemicals and provides a breathable finish, making it suitable for areas with fluctuating humidity.

The product offers good color retention and a consistent finish. Unlike other paints, it is easy to apply and maintain, making it ideal for both commercial and residential environments. Dry Distemper is designed to offer excellent opacity and a velvety texture that enhances the aesthetic appeal of interior spaces. Furthermore, it provides a non-reflective, uniform finish that helps to conceal surface imperfections, giving a clean and polished look to any room.

Dry Distemper is particularly effective in areas where there is a need for a breathable paint finish, as it does not trap moisture within the walls. This makes it ideal for use in high-humidity environments, such as kitchens, bathrooms, and basements. It is also an affordable alternative to other premium paints, making it a great choice for budget-conscious projects while still delivering high-quality results.

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### Recommended Use

1. **Residential Interiors:**

Dry Distemper is a popular choice for painting walls and ceilings in residential homes, including living rooms, bedrooms, kitchens, and bathrooms. It is perfect for surfaces requiring a smooth, matte finish with excellent opacity, making it ideal for creating a fresh look in any room.

2. **Commercial and Institutional Spaces:**

Dry Distemper is widely used in commercial spaces such as offices, schools, and hospitals. It is perfect for interior walls and ceilings in these environments, offering a durable yet cost-effective solution for large-scale painting projects.

3. **Renovation and Refurbishment:**

Dry Distemper is ideal for refreshing and updating old walls in homes and buildings. It adheres well to previously painted surfaces, making it suitable for renovations where the existing paintwork may need to be covered or updated.

4. **Budget-Friendly Option for Large Areas:**

For large-scale commercial or residential projects where budget constraints are a consideration, Dry Distemper offers an affordable solution. It provides excellent coverage at a fraction of the cost of premium paints while still maintaining high-quality results.

5. **High-Humidity Environments:**

Due to its breathable nature, Dry Distemper is particularly effective in spaces like kitchens, bathrooms, basements, and other areas that may experience higher levels of moisture and humidity. Its ability to allow moisture to escape without trapping it within the walls makes it suitable for these environments.

6. **Ceiling Application:**

This product is commonly used for painting ceilings, as its non-reflective, matte finish helps conceal imperfections and provides a smooth, uniform appearance. It is particularly suited for use in residential and commercial areas with standard ceiling heights.

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### Technical Data Specification

- **Colour:** Available in a range of shades (custom colors available upon request).
- **Finish:** Matte finish.
- **Viscosity:** 40–50 KU (Krebs Unit).
- **Specific Gravity:** 1.4–1.5 g/cm<sup>3</sup>.
- **Binder:** Natural mineral-based binder.
- **Solvent Content:** Water-based, free from VOCs.
- **Drying Time:** Touch dry in 30–60 minutes; recoat after 2–4 hours.
- **Coverage:** 10–12 m<sup>2</sup> per kg (depending on surface texture and application method).
- **Flash Point:** Non-flammable.
- **pH:** 7–8.
- **Volume Solid:** 40–45%.
- **VOC Content:** 0 g/L.

### Dosage, Addition, and Method of Application

1. **Dosage:**

Dry Distemper typically covers 10-12 square meters per kilogram, depending on the surface texture, porosity, and method of application. Two coats are generally recommended for optimal coverage, with additional coats required for surfaces with high absorption or imperfections.
2. **Addition:**

Dry Distemper comes in a powdered form and should be mixed with clean water before use. Typically, 1 kg of dry powder is mixed with 0.5–0.6 liters of water, depending on the required consistency. Stir thoroughly to avoid lumps and ensure a smooth, uniform mixture. If the mixture is too thick, small amounts of water can be added to reach the desired consistency. For spray application, additional water may be required for thinning.
3. **Method of Application:**
  - **Surface Preparation:**
    - Ensure that the surface to be painted is dry, clean, and free from any dirt, grease, or other contaminants. Any peeling or flaking paint should be scraped off, and any cracks or holes should be filled with appropriate fillers. New plaster should be allowed to cure for 4-6 weeks before applying Dry Distemper. For previously painted surfaces, a light sanding may be necessary to create a suitable texture for better adhesion.
  - **Mixing:**
    - In a clean container, gradually add 0.5–0.6 liters of water to every 1 kg of Dry Distemper powder. Stir thoroughly to ensure that the powder dissolves completely, creating a smooth, lump-free paste. Allow the mixture to stand for 10–15 minutes to ensure complete hydration and to avoid settling during application.
  - **Brush Application:**
    - Apply using a soft-bristled brush, starting from the edges and corners of the surface and working towards the center. Brush the paint in smooth, even strokes to avoid streaking or brush marks. Apply the paint in a crisscross pattern to achieve uniform coverage.
  - **Roller Application:**
    - Use a high-density roller for applying Dry Distemper over large wall areas. Load the roller with an appropriate amount of paint and apply using a "W" or "M" motion



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to ensure even distribution. Work in small sections to maintain a wet edge and prevent visible roller marks.

- **Spray Application:**
  - Dry Distemper can also be applied using a spray gun, especially for large areas. Thin the mixture with a small amount of water (if necessary), and apply in light, even layers. Hold the spray gun approximately 30 cm from the surface to avoid overspray.
- **Drying Time and Curing:**
  - Allow the first coat to dry for 2–4 hours before applying the second coat. The full curing time for the paint is 7-10 days. Avoid any heavy cleaning or scrubbing during this time to allow the paint to cure completely.
- **Cleaning:**
  - Clean brushes, rollers, and spray equipment immediately after use with water and soap. If the paint has dried on tools, remove it using a mild abrasive cleaner or warm soapy water.

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### Safety Instructions

1. **Handling:**
  - Always wear gloves and goggles when handling and applying Dry Distemper to avoid skin and eye contact. In case of contact with eyes, rinse thoroughly with water for at least 15 minutes. Seek medical attention if irritation persists.
2. **Ventilation:**
  - Although Dry Distemper is a water-based product, ensure proper ventilation during application to help speed up drying and reduce any residual moisture in the air. Open windows and doors, and use fans if necessary, especially in confined spaces.
3. **Storage:**
  - Store Dry Distemper in a cool, dry place away from direct sunlight and freezing temperatures. Ensure that the container is tightly sealed to prevent moisture absorption and contamination of the product.
4. **First Aid:**
  - **Eye Contact:** Flush eyes with water immediately. Seek medical advice if irritation persists.
  - **Skin Contact:** Wash skin thoroughly with soap and water. If irritation occurs, consult a doctor.
  - **Inhalation:** Move to fresh air immediately. If symptoms persist, seek medical attention.
  - **Ingestion:** If swallowed, rinse mouth with water and seek medical attention.
5. **Disposal:**
  - Dispose of leftover product and containers in accordance with local regulations. Do not pour the product down drains or into water systems.

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Dry Distemper is a reliable, environmentally friendly, and cost-effective paint that provides excellent coverage and a smooth, matte finish for interior spaces. It is easy to apply, durable, and offers long-lasting results, making it suitable for both residential and commercial applications.