



Let the world never fade

Eco-Friendly Low-Odor Thinner (JW-T200)

Product Data Sheet (TDS)

Eco-Friendly Low-Odor Thinner

Product Number: JW-T200

Product Type: Thinner

1. Product Description

This product is a high-performance, eco-friendly, low-odor thinner, specially designed for solvent-based coatings such as alkyd paints, epoxy paints, and acrylic paints. It is used to adjust application viscosity and for cleaning tools. Formulated with carefully selected low-odor solvents and additives, it offers strong solvency, moderate evaporation rate, and does not alter the original properties of the coatings. During application, it produces minimal odor, improving the working environment.

2. Main Applications

- Used for viscosity adjustment of solvent-based coatings such as alkyd topcoats, epoxy primers, epoxy interior coatings, and polyurethane topcoats.
- Suitable for thinning in various application methods, including airless spray, conventional spray, brushing, and rolling.
- For cleaning spray equipment, tools, and containers after use.

3. Key Performance Features

- **Low Odor & Eco-Friendly:** Formulated with low-odor raw materials, producing minimal irritation during application and drying; meets environmental protection requirements.
- **Strong Solvency:** Exhibits excellent solubility and compatibility with various resin systems, without precipitation or gelling.
- **Moderate Evaporation:** Optimized evaporation rate does not affect coating flow or film formation quality.
- **Safe & Stable:** High flash point and good storage stability; resistant to deterioration.
- **Easy Cleaning:** Effectively dissolves uncured coatings, facilitating cleaning of tools and equipment.

Technical Parameters:

Item	Specification	Test Standard / Method
Appearance	Colorless, transparent liquid, free of mechanical impurities	Visual
Density	Approx. 0.88 ± 0.02 kg/L	ASTM D1475
Flash Point (closed cup)	≥30°C	ISO 3679 / ASTM D93
VOC Content	≤780 g/L	EPA Method 24 / ISO 11890-2
Thinning Capability (with coatings)	Completely miscible; no flocculation or precipitation	Internal method
Moisture Content	≤0.1%	ASTM E203
Benzene Content	≤0.01% (detection limit)	GC/MS method
Odor Level	Low odor (2/5)	Internal sensory evaluation

4. Application Guidelines

- **Timing of Addition:** Add the thinner slowly while stirring the coating before use, following the recommended ratios.
- **Recommended Addition Ratios (for reference):**
 - Airless spray: 10–20%
 - Conventional spray: 20–40%
 - Brushing / rolling: 0–10%*(Adjust according to the coating's Product Data Sheet and actual performance.)*
- **Mixing Method:** Stir thoroughly after addition, then allow to stand for 5–10 minutes to release entrapped air before application.
- **Cleaning Use:** Can be used directly as supplied or with excess thinner for soaking and cleaning tools and spray equipment.

5. Safety and Precautions

- This product is a flammable liquid. Keep away from open flames, heat sources, and sparks during storage and use. Smoking is strictly prohibited.
- Ensure good ventilation in the work area. Wear protective gloves, safety goggles, and a respirator.
- Avoid direct contact with skin and inhalation of vapors. In case of contact, rinse thoroughly with plenty of water; seek medical attention if necessary.
- Do not mix with water. Store in the original tightly sealed container, protecting from moisture.
- Dispose of used thinner and cleaning waste in accordance with local environmental regulations.
- This product is not suitable for waterborne coatings or non-solvent-based systems.

6. Packaging, Storage and Shelf

- **Packaging:** 18 kg per drum (approx. 20.5 L) and 180 kg per drum (approx. 204.5 L) (based on a density of 0.88 kg/L)
- **Storage Conditions:** Store in a cool, dry, and well-ventilated place, away from fire sources and oxidizers. Avoid direct sunlight. Storage temperature: 5–35°C.
- **Shelf Life:** 12 months (unopened)

Disclaimer:

All information provided in this Technical Data Sheet is based on our typical test data and experience. Actual performance may vary depending on application conditions, substrate preparation, and application methods. It is recommended to conduct a small-scale trial or consult our technical personnel before use. We reserve the right to modify the technical data without prior notice.

Technical Data Sheet

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