



High gloss long-lasting fast drying wine red car repair paint

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: Meklon
- Certification: ISO,MSDS,SGS
- Model Number: Meklon
- Minimum Order Quantity: 50L
- Price: 2.73USD/L-5.56USD/L
- Packaging Details: Box/Carton
- Delivery Time: 10-15 Work Day
- Payment Terms: T/T
- Supply Ability: 500L per day



Product Specification

- Sheen: High Gloss
- Weather Resistance: Yes
- State: Liquid Coating
- Primer Required: Yes
- Fade Resistant: Yes
- Package Size: 1LX12
- Port: Nansha
- Size: Quart
- Material: Acrylic
- Voc: Low



More Images



Product Description

Water based paint vs oil-based paint: comprehensive comparison of environmental friendliness, drying speed, and cost

1. Environmental friendliness: water-based paint is superior

Water based paint: using water as a diluent, with extremely low VOC (volatile organic compound) content (usually <50g/L, far below the national standard $\leq 420\text{g/L}$), almost no irritating odor, environmentally and human health friendly during construction and drying process, in compliance with strict environmental regulations such as EU REACH and US EPA, suitable for indoor or ventilation restricted scenarios.

Oil based paint: It relies on organic solvents (such as banana water and thinner) for dilution, with high VOC content (generally 200-800g/L). During construction, it releases a large amount of toxic gases such as benzene and toluene. Long term exposure can easily cause respiratory diseases, and waste paint residue contains heavy metals. Improper treatment can cause soil/water pollution.

2. Drying speed: Oil based paint is faster (but the difference is reduced)

Water based paint: greatly affected by environmental humidity (slow evaporation of water in high humidity environments), surface drying takes about 30-60 minutes, and actual drying takes 4-6 hours; Drying is significantly delayed at low temperatures (<5 °C) or high humidity (>80% RH), and dehumidification equipment or heating tools need to be used in conjunction.

Oil based paint: Organic solvents evaporate quickly, drying for 15-30 minutes on the surface and 2-4 hours on the surface (with higher efficiency at room temperature); But it has slightly lower sensitivity to temperature and is more stable when dried in a well ventilated environment, making it suitable for industrial coating lines with fast turnover.

3. Cost: Oil based paint is cheaper in the short term, while water-based paint is more economical in the long term

Water based paint: The unit price is usually 20% -50% higher than oil-based paint (due to research and development costs and investment in environmentally friendly materials), but the usage is more economical (strong coverage, uniform spraying thickness), and no additional ventilation and detoxification equipment is required. Long term use can reduce artificial health risks and environmental treatment costs; Suitable for enterprises or households that focus on sustainable development for DIY (such as furniture renovation, children's room painting).

Oil paint: The raw material cost is low, and the basic unit price is cheap, but it requires the purchase of expensive protective equipment (such as gas masks, activated carbon filters), and the disposal of waste paint barrels/waste residue requires professional institutions (additional expenses); Long term exposure to high VOC environments can increase the risk of occupational disease compensation, and the overall cost may be higher.

Summary and Suggestions

Choosing water-based paint: Priority should be given to environmental protection and health (such as indoor spaces, children's products), policy compliance (such as China's mandatory "oil to water" standard), or long-term usage costs, especially suitable for home decoration, car repair (low VOC demand), high-end furniture and other fields.

Choose oil-based paint: pursue ultimate drying efficiency (such as batch coating on factory assembly lines), extreme budget sensitivity (short-term low-cost projects), or excellent ventilation in construction environments (such as outdoor unobstructed areas), but strict protection and waste disposal are required.





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