

Soft Film Rust Preventative ST-073 (Special for Cast Iron)

1. Product Overview

ST-073 is a high-performance soft film rust preventative tailor-made for cast iron and ferrous metals. It is blended with high-quality base oil, high-efficiency rust inhibitors and special film-forming agents, which can form a compact protective film on cast iron surfaces. It offers full-range anti-rust protection during machining, transportation and storage, and is especially applicable to long-term preservation of high-precision cast iron parts.

2. Key Product Features

1:Long-lasting anti-rust performance

- Salt spray resistance: over 48 hours under 5% sodium chloride environment
- Damp heat resistance: 360 hours with Grade A protection effect

2:Deep penetration protection

- Unique penetrating formula can fill tiny pores on cast iron surfaces to block internal rust formation

3:Excellent environmental adaptability

- Good resistance to salt mist and high humidity, suitable for severe working conditions such as sea transportation and damp warehouse storage

4:Convenient coating and removal

- Soft film property, no heavy cleaning required before subsequent machining

3. Technical Specifications

Test Item	Parameter
Kinematic Viscosity (40°C)	8–10 mm ² /s
Film Type	Soft, semi-transparent
Drying Time (25°C)	30–60 minutes
Operating Temperature Range	-20°C ~ +120°C
Recommended Application Methods	Immersion, Spraying, Brushing

4. Typical Application

Protected Workpieces

- Machine tool cast iron base and guide rails
- Automobile engine blocks, gearbox housings
- Hydraulic valve bodies, pump casings
- Cast iron pipes and flanges

Application Scenarios

- Inter-process anti-rust: 3–6 months protection period
- Marine export anti-rust: 6–12 months salt mist resistance
- Long-term sealed storage protection

5. Safety & Storage Precautions

1. Do not mix this product with other types of rust preventatives.
2. The workpiece surface must be fully dried before coating construction.
3. Store in cool, ventilated warehouses, keep away from open flames and high-temperature heat sources.

6. Packaging Specifications

Standard packages: 18L per drum, 200L per drum

Customized packaging capacity can be provided upon customer demand

7. Disclaimer

All data listed in this technical data sheet are typical test values obtained under standard laboratory environments, for reference only. Actual anti-rust effect depends on workpiece surface state, construction process and storage conditions. Users shall conduct small trial tests before mass production use.