

TDS 13 · MICROCRYSTALLINE WAX PROTECTION SYSTEM

Wax Corrosion-Inhibiting Primer

Wax sealing primer · wax system primer



SYSTEM ROLE · PRIMER

Corrosion-inhibiting foundation layer beneath microcrystalline wax tape.

Product description

A wax-system primer based on petroleum hydrocarbon compounds, a microcrystalline wax blend, titanium dioxide and rust inhibitors. It is applied before the wax tape so that the wrapping bonds closely to the substrate and the wax system remains effective for longer.

Typical system configuration



Zhuohuang systems are modular. The configuration above is typical for this product; components are added or omitted according to substrate condition, geometry, operating environment and project specification.

KEY CHARACTERISTICS

- Matched to the wax tape grade
- Cold applied — brush or hand
- Supports close system contact
- General and high-temperature grades

TYPICAL APPLICATIONS

- Beneath microcrystalline wax tape on all substrates
- Tank edge details
- Pipelines and fittings
- Marine steel protection

WHY IT MATTERS

Feature	What it means on site
Matched grade set	Primer and tape are specified together, so the system behaves predictably at the stated service temperature.

TYPICAL APPLICATIONS — FIELD PHOTOGRAPHS



Tank base detail



Pipework



Exposed structural steel

Technical properties

Property	Typical / standard value	Test method
Composition	Petroleum hydrocarbons $\leq 46\%$, wax blend $\geq 50\%$, titanium dioxide $\leq 2\%$, rust inhibitor $\leq 2\%$	—
Application	Brush or gloved-hand application	—
System use	Below the selected wax tape grade	—
Safety data sheet reference	GP (general grade)	—

Values are typical or standard configurations for the grade described and are not universal acceptance limits. Where a property is not listed, it is not declared for this grade in the source technical documentation. Confirm the applicable grade and project acceptance criteria before order.

Sizes and packaging

Packaging confirmed at order stage.

Application

Step	Procedure
01	Clean and prepare the substrate to St2 or better.
02	Condition or stir the material if required by the ambient temperature.
03	Apply a thin, continuous film by stiff brush or gloved hand.
04	Work the material into pits, welds and irregular details.
05	Proceed with mastic and tape while the primed surface is in the specified condition.

STORAGE

Store sealed in the original packaging in a cool, dry, ventilated place, away from direct sunlight, open flame, strong heat, strong oxidising agents and sources of ignition. Keep clear of contamination. Unopened material can be stored long-term at ambient temperature.

HEALTH AND SAFETY

Warning. May cause mild skin, eye and respiratory tract irritation. Use in a well-ventilated place, keep away from high temperature, wear gloves and eye protection. Molten material can cause burns. Refer to the safety data sheet for the selected grade before use.

WASTE

Avoid or minimise waste wherever possible. Do not discard waste material, including packaging, in the surrounding environment. Follow all applicable disposal legislation.

DISCLAIMER

The information in this document is based on Zhuohuang product records, manufacturer data and third-party test reports available at the date of issue. Values are typical or standard configurations and are not universal acceptance limits. Product performance depends on substrate condition, surface preparation, geometry, operating temperature and exposure. Confirm the applicable grade, current packaging, project acceptance criteria and the relevant safety data sheet before order and application.

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