

TDS 04 · PETROLATUM CORROSION PROTECTION SYSTEM

Anti-Corrosion Tape Primer

Petrolatum tape primer · petrolatum paste primer



SYSTEM ROLE · PRIMER

Surface-wetting, corrosion-inhibiting foundation layer beneath petrolatum tape.

Product description

A soft brown semi-solid petrolatum-based primer applied before petrolatum wrapping tape. It wets prepared steel, penetrates residual rust texture and surface pitting and supports continuous contact of the wrapping system. It does not harden and does not crack, and it contains no volatile solvent.

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

- Solvent-free formulation
- Brush or gloved-hand application
- Suitable for St2-prepared steel
- Does not harden or crack in service

TYPICAL APPLICATIONS

- Beneath petrolatum tape on all substrates
- Bolts, valve stems, wire ropes and small metal parts
- Welds, fittings, flanges and valves
- Maintenance and re-wrapping systems

WHY IT MATTERS

Feature	What it means on site
Solvent-free, non-hardening	No VOC limit to manage on site and no primer that goes brittle under the wrap.
Penetrates residual rust texture	Wets what mechanical preparation leaves behind, which is what makes St2 preparation viable in maintenance work.

TYPICAL APPLICATIONS — FIELD PHOTOGRAPHS



Priming a buried valve



Tank base preparation



Pipe-rack maintenance

Technical properties

Property	Typical / standard value	Test method
Model reference	P100	—
Product form	Soft brown semi-solid	—
Specific gravity	1.08 kg/L	—
Coverage	2–5 m²/kg	—
Solids content	> 98 %	—
Surface preparation	St2 or better	—
Installation temperature	0 °C to +40 °C	—
Service temperature	–30 °C to +55 °C	—
Volatile organic compounds	Solvent-free	—

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

Size	Reference	Packing
4 kg pail	—	4 pails / carton
2.5 kg pail	—	4 pails / carton

Third-party verification

INDEPENDENT LABORATORY TEST	
Report number	CTG2410221378A_SR178AC
Laboratory	Shenzhen Third-Party Testing Technology Co., Ltd. (CTG)
Accreditation	CMA / CNAS accredited laboratory
Sample tested	Petrolatum Tape Primer
Test basis	GB/T 4472, GB/T 1725, GB/T 8026, GB/T 3536
Date of issue	11 October 2024
Conclusion	All tested items assessed as Pass.
This report was issued on a sample submitted as “Petrolatum Tape Primer”. The report does not state a product model, so the result is given here as a related reference for this product family rather than as a test of this specific product.	

The full report is available on request. A faithful English transcription is issued as a separate single-product file and in the compilation Zhuohuang Test Reports – English Compilation. A test report records the properties measured on the sample submitted; it is a test result, not a system certification.

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

The products in this range are not classified as dangerous goods for supply. Wear grease-resistant gloves and avoid contact with the eyes. Wash hands with soap and water after handling. Combustion releases carbon monoxide and hydrocarbon by-products. Consult the product safety data sheet before use; it is supplied on request.

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.

Nanjing Zhuohuang Industrial Technology Co., Ltd.

Registered address: Building 201-10, Hengli Park, No. 399 Xiongzhou South Road, Liuhe District, Nanjing 211599, Jiangsu, China

info@zhuohuangglobal.com · www.zhuohuangglobal.com

WhatsApp +86 183 5198 9892