

TDS 06 • PETROLATUM CORROSION PROTECTION SYSTEM

Lightweight Sealing Mastic

Petrolatum sealing mastic • profiling mastic



SYSTEM ROLE • FILLING / PROFILING

Lightweight profiling and void-filling compound for irregular steel details.

Product description

A hand-applied lightweight petrolatum mastic formulated from petroleum hydrocarbons, porous polymers and flow-control additives. It fills gaps, cavities and abrupt profile changes before wrapping so that the primary tape achieves continuous contact. It does not dry out and resists inorganic acids, alkalis, salts and micro-organisms.

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

- Ready to use — no site mixing
- Low density and easy hand shaping
- Permanently non-curing
- Excellent acid, alkali and salt resistance

TYPICAL APPLICATIONS

- Flange gaps and bolt clusters
- Tank edge transitions
- Buried or exposed pipeline fittings
- Any recess that would otherwise bridge under the tape

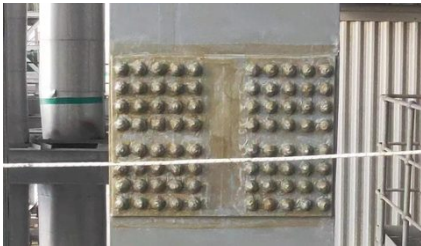
WHY IT MATTERS

Feature	What it means on site
Ready to use, low density	No site mixing and no weight penalty when filling large tank-edge voids.
Permanently non-curing	Fills and stays filled — the void does not reopen as the compound shrinks.

TYPICAL APPLICATIONS — FIELD PHOTOGRAPHS



Profiling a valve body



Bolted connections



Tank edge transition

Technical properties

Property	Typical / standard value	Test method
Model reference	M100	—
Colour	Matt cream-yellow	—
Specific gravity	0.605 kg/dm³	—
Volume yield	1 653 cm³/kg	—
Installation temperature	0 °C to +45 °C	—
Maximum service temperature	+60 °C	—
Flash point	> +185 °C	—
Acid / alkali / salt resistance	Excellent	—
Application	Hand shaping and pressing	—

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
3 kg block	—	8 blocks / carton

Third-party verification

INDEPENDENT LABORATORY TEST	
Report number	CTG2410221378A_SR179AC
Laboratory	Shenzhen Third-Party Testing Technology Co., Ltd. (CTG)
Accreditation	CMA / CNAS accredited laboratory
Sample tested	Petrolatum Sealing Mastic
Test basis	SY/T 0415-1996, SY/T 0315-2005 Annex I, GB/T 4472
Date of issue	11 October 2024
Conclusion	All tested items assessed as Pass.
This report was issued on a sample submitted as “Petrolatum Sealing Mastic”. 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	Prepare and prime the surface.
02	Take the required quantity of mastic and shape it by hand.
03	Press the mastic firmly into voids, recesses and behind bolt heads.
04	Feather the edges to create a smooth transition profile with no sharp steps.
05	Cover the completed profile fully with the specified tape system.

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.

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