

TDS 07 · PETROLATUM CORROSION PROTECTION SYSTEM

High-Performance Elastic Mastic

Elastic sealing mastic · HD mastic



SYSTEM ROLE · FILLING / PROFILING

Self-supporting elastic profiling compound for tank edges, joints and complex details.

Product description

A cold-applied, self-supporting elastic mastic based on saturated petrolatum hydrocarbon compounds, inert silica fillers, neutral polymers and plant fibres. It plugs, fills and seals while remaining plastic over a wide temperature range; it neither hardens nor cracks and contains no volatile organic 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

- Self-supporting profile — holds its shape
- Wide installation temperature window
- Solvent-free
- Resists water, water vapour and gases

TYPICAL APPLICATIONS

- Tank annular plate edges and chime details
- Large cavities and irregular steel transitions
- Higher-temperature detailing up to +90 °C
- Joint and gap sealing before wrapping

WHY IT MATTERS

Feature	What it means on site
Self-supporting profile	Holds a built fillet on a vertical or overhead detail without formwork, which is what tank chime work needs.
Service to +90 °C	Covers hot tank bases and heated pipework where the standard mastic is outside its range.

TYPICAL APPLICATIONS — FIELD PHOTOGRAPHS



Tank annular plate edge



Chime detail build-up



Complex geometry filling

Technical properties

Property	Typical / standard value	Test method
Model reference	HD01	—
Colour	Olive green	—
Specific gravity	1.39 kg/dm ³	—
Installation temperature	0 °C to +70 °C	—
Maximum service temperature	+90 °C	—
Curing behaviour	Permanently non-curing	—
Solvent content	Solvent-free	—
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	—	9 blocks / carton

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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