

TDS 09 • VISCOELASTIC CORROSION PROTECTION SYSTEM

Viscoelastic Anti-Corrosion Paste

Viscoelastic mastic • viscoelastic filler



SYSTEM ROLE • FILLING / PROFILING

Shape-forming compound for void filling, sealing and local coating repair beneath viscoelastic tape.

Product description

A high-performance viscoelastic polyolefin compound that combines the handling of a solid adhesive with the flow behaviour of a liquid one. It forms quickly, bonds strongly and seals against water without a primer. It remains free of disbondment, cracking and curing throughout its life and has good chemical and cathodic disbondment resistance.

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

- Rapid shape forming, strong initial tack
- Permanently non-curing
- Zero VOC, no odour, solvent-free
- Cold applied — no flame or heating

TYPICAL APPLICATIONS

- Flanges, valves and pump bodies
- 3PE coating repair and field joints
- Complex pipeline joints and penetrations
- Emergency sealing during plant maintenance

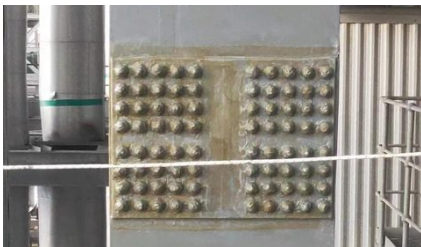
WHY IT MATTERS

Feature	What it means on site
Rapid shape forming	Valves, pumps and bolt clusters are profiled in minutes so the tape can be applied without bridging.

TYPICAL APPLICATIONS — FIELD PHOTOGRAPHS



Valve and pump bodies



Fasteners and recesses



Field joint profiling

Technical properties

Property	Typical / standard value	Test method
Product form	Viscoelastic paste / block compound	—
Primer	Not required	—
Curing behaviour	Permanently non-curing	—
Volatile organic compounds	Zero VOC, solvent-free	—
Application	Cold applied; no hot work	—
System use	Profiling beneath viscoelastic tape	—

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 tin	—	—
2 kg block	—	—

1.5 kg test-sample blocks available.

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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