

COMPANY PROFILE

Cold-Applied Corrosion Protection

Petrolatum, viscoelastic, wax and polyolefin wrapping systems for storage tanks, pipelines, valves and marine steel.

2017

Established

2

Production bases

5

Product systems

14

Products



01 Company Overview

Who we are and what we supply

Nanjing Zhuohuang Industrial Technology Co., Ltd. is a Chinese manufacturer and system supplier of cold-applied corrosion protection materials. The company was founded in 2017 and is built around a single technical position: corrosion protection that can be installed on site, on existing assets, with reduced surface preparation in suitable applications, without hot work and without waiting for a coating to cure.

That position determines the product range. Petrolatum, microcrystalline wax and viscoelastic compounds remain plastic for the life of the system, displace moisture from the steel surface and conform to flanges, bolt clusters, weld seams and tank chime edges — the details where conventional coatings fail first. Polyolefin tapes cover the buried pipeline scope. An aluminium foil outer wrap completes the systems on above-ground assets.

2017 YEAR ESTABLISHED	2 PRODUCTION BASES	50 000 m² TOTAL SITE AREA	5 PRODUCT SYSTEMS	14 CORE WRAPPING PRODUCTS
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COMPANY REGISTRATION

Registered name	Nanjing Zhuohuang Industrial Technology Co., Ltd.
Unified social credit code	91320115MA1UTKMX9F
Established	28 December 2017
Registered capital	RMB 10,000,000
Registered address	Building 201-10, Hengli Park, No. 399 Xiongzhou South Road, Liuhe District, Nanjing 211599, Jiangsu Province, China
Manufacturing	Manufacturing facilities in Anhui and Tianjin, China — combined site area 50 000 m ²
Brands owned and operated	Zhuohuang · ISIEP · Longwrap

POSITIONING

- Cold-applied wrapping materials — reduced surface preparation, no hot work
- Complete systems: primer, mastic, primary wrap, outer protection
- Manufacturing plus system configuration and application guidance
- Supply to end users, EPC contractors, applicators and distributors

BRANDS

Nanjing Zhuohuang Industrial Technology Co., Ltd. owns and operates the brands Zhuohuang, ISIEP and Longwrap. All three belong to the same company and support one industrial corrosion protection portfolio; products are selected by system and application, not by brand.



Production base — exterior



Impregnation and coating line



Compound production hall

Manufacturing facilities in Anhui and Tianjin, China — combined site area 50 000 m². The Nanjing address is the registered office.

02 Core Business and Product Systems

Five product systems, one integrated corrosion protection portfolio.

The international business is **cold-applied corrosion protection systems**: petrolatum, viscoelastic, microcrystalline wax and polyolefin tape technologies, together with the primers, filling compounds and protective outer wraps that complete them. Five product systems, fourteen products, one supplier.

Zhuohuang supplies modular corrosion protection systems. Primers, filling and profiling compounds, corrosion protection tapes and protective outer wraps are selected and combined according to substrate condition, geometry, operating environment and project requirements. Not every system uses every component: some viscoelastic configurations require no primer, mastic is used where the geometry is irregular, and the outer wrap — PE, PP fibre-reinforced or aluminium foil — is chosen for the exposure rather than fixed in advance.



PETROLATUM CORROSION PROTECTION SYSTEM

The reference cold-applied system for tank bases, valves, flanges and complex steel. Non-curing petrolatum compounds displace moisture, wet the steel and remain plastic for the life of the system. Three tape grades cover shipboard, industrial and continuously wet or submerged service.

Petrolatum Tape (Marine) · Petrolatum Tape (Industrial) · Petrolatum Tape (Seawater) · Tape Primer (P100) · High-Tack Primer (P200) · Sealing Mastic (M100) · Elastic Mastic (HD01)



VISCOELASTIC CORROSION PROTECTION SYSTEM

A permanently non-curing viscoelastic polymer that cold-flows into surface irregularities and re-seals itself. Selected where the asset geometry is complex, where an existing 3PE or FBE coating has failed locally, or where cathodic protection compatibility and zero VOC are required.

Viscoelastic Tape · Viscoelastic Paste



PE / PP CORROSION PROTECTION AND WRAPPING SYSTEM

Bitumen-adhesive polyolefin tapes for buried steel pipelines and fittings. Both products work in two roles: as the primary corrosion protection wrap, and as a protective outer wrap over another system. PE tape is the standard configuration; PP mesh-reinforced tape is selected where soil stress, backfill and handling damage are the governing risks. Both are supplied with the matching modified bitumen primer.

PE Tape · PP Tape



MICROCRYSTALLINE WAX PROTECTION SYSTEM

A microcrystalline wax system for severe, humid, buried and immersed service. Tested against the ASTM / AWWA C217 method set used internationally for wax tape wrapping, with general and high-temperature grades.

Wax Tape · Wax Primer



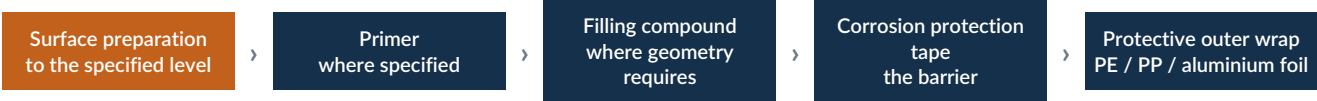
PROTECTIVE OUTER WRAP SYSTEMS

Protective outer wraps are applied over a completed primary corrosion protection system to carry the ultraviolet, weather, soil-stress and handling loads. Zhuohuang manufactures three outer wrap materials — aluminium foil, PE and PP fibre-reinforced — so the outer layer is specified for the actual exposure. Aluminium foil is the reflective option for above-ground and sunlit assets; the PE and PP tapes from the polyolefin system serve as buried and mechanically loaded outer wraps.

Aluminium Foil Outer Wrap

Modular, not fixed

Components are selected and combined for the asset. Not every system uses every component: some viscoelastic configurations need no primer, filling compound is used where the geometry is irregular, and the protective outer wrap — PE, PP fibre-reinforced or aluminium foil — is chosen for the exposure.



03 Industries and Applications

Where the systems are used

Industry	Typical assets protected
Oil, Gas & Petrochemical	Tank farms, refineries, process pipework, loading facilities
Gas Distribution & Utilities	Buried valves, chambers, city gas and water networks
Ports, Marine & Offshore	Jetty piles, splash-zone steel, loading arms, offshore wind foundations
Metallurgy & Mining	Pipe racks, utility lines, structural steel in humid industrial atmospheres
Power Generation	Cooling water lines, cooling tower steel, plant structures
Shipbuilding & Bridges	On-board pipework, fittings, flanges and valves; structural connections

Typical assets



Storage tank annular plate and chime



Valves, flanges and fittings



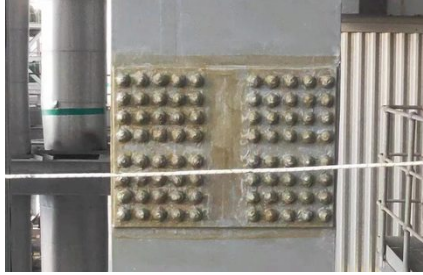
Buried pipelines and field joints



Jetty piles and marine steel



Pipe racks and structural steel



Bolted connections and base plates

Preliminary system screening

Application	Petrolatum	Viscoelastic	Wax	PE	PP	Aluminium
Tank annular plate / chime edge	P	S	S	–	–	O
Valve, flange and irregular detail	P	P	S	–	–	O
Buried pipeline rehabilitation	S	P	S	S	P	–
New buried steel pipeline	S	S	S	P	P	–
Above-ground exposed steel	P	S	S	–	–	P
High mechanical soil stress	A	A	A	S	P	–
Submerged, tidal and splash zone	P	S	P	–	–	–
Shipboard pipework and fittings	P	S	S	–	–	S

P Primary selection S Suitable / secondary A Use with mechanical armour O Outer protection layer – Not applicable – This matrix is a preliminary guide. Final selection depends on substrate condition, environment, temperature, geometry and mechanical exposure.

04

Manufacturing and Technical Capability

Production, engineering and site support

Production

Zhuohuang operates manufacturing facilities in Anhui and Tianjin, China, with a combined site area of 50 000 m². Production covers compound preparation, impregnation and coating of woven and non-woven carriers, hot lamination of polyolefin tapes, and packing. Roll widths, roll lengths, carton quantities and private labelling are configured to order.

PRODUCTION SCOPE

- Petrolatum and wax compound preparation
- Impregnation and double-side coating of fabric carriers
- Solvent-free hot lamination of PE and PP tapes
- Mastic and paste forming, filling and packing
- Primer blending and filling
- Custom widths, lengths and private-label packaging

TECHNICAL SUPPORT

- System configuration for a specific asset and environment
- Surface preparation and application procedure guidance
- Material quantity estimation from drawings or photographs
- Documentation packs for tender and vendor qualification
- Samples for trial application
- Support during first application on site

Engineering and application affiliate

Application and engineering affiliate under the same management team, providing installation and site service for Zhuohuang systems in Jiangsu and the surrounding provinces.

- Class I specialist contracting — waterproofing, corrosion protection and thermal insulation engineering
- Class II general contracting — petrochemical engineering construction
- Class II specialist contracting — environmental protection engineering
- Safety Production Licence (Yu) JZ-AXZZ [2024] No. 000173, valid 10 January 2024 to 10 January 2027

Affiliate: Zhongshi (Henan) Construction Co., Ltd. — Nanjing First Branch. Qualifications are held by the affiliate and apply to construction and installation work in China.

05 Quality Control, Testing and Certification

What can be evidenced

Management system certification

Standard	Certificate No.	Issued	Valid until
ISO 9001:2015 / GB/T 19001-2016 — Quality Management System	86725Q10362R0S	18 September 2025	17 September 2028
ISO 14001:2015 / GB/T 24001-2016 — Environmental Management System	86725E10363R0S	18 September 2025	17 September 2028
ISO 45001:2018 / GB/T 45001-2020 — Occupational Health and Safety Management System	86725S10364R0S	18 September 2025	17 September 2028

Certification body: Jiangsu Ruishuang Certification Co., Ltd. (CNAS C314-M).

Certified scope: Sale of anti-corrosion and wear-resistant materials, coatings (excluding hazardous chemicals), sealing components and fire-stopping materials, and the associated environmental / occupational health and safety management activities at those premises.

Third-party product testing

Products in the wrapping range have been tested by independent CMA / CNAS accredited laboratories in China. Full reports are available on request; a faithful English transcription of each report is issued as a separate document in this set.

Product tested	Report No.	Laboratory	Issued
Petrolatum (Ester) Oil-Based Anti-Corrosion Tape	CTICAQ451240155082316 4BR	CTIC Testing Technology	18 July 2024
Petrolatum Tape Primer	CTG2410221378A_SR178A C	Shenzhen Third-Party Testing Technology Co., Ltd.	11 October 2024
Petrolatum Sealing Mastic	CTG2410221378A_SR179A C	Shenzhen Third-Party Testing Technology Co., Ltd.	11 October 2024
Viscoelastic Anti-Corrosion Tape	CTG2410221378A_SR180A C	Shenzhen Third-Party Testing Technology Co., Ltd.	11 October 2024
Refined Wax Anti-Corrosion Tape	J25C12220188BR	Shenzhen Jinglian Testing Co., Ltd.	3 January 2025
PE Anti-Corrosion Tape (including matching primer)	CTG2409251378A_SR177A C	Shenzhen Third-Party Testing Technology Co., Ltd.	11 October 2024
PP Anti-Corrosion Tape and Primer	CTG2410221378A_SR176A C	Shenzhen Third-Party Testing Technology Co., Ltd.	11 October 2024
UV-Resistant Sealing Anti-Corrosion Tape (Aluminium Foil Outer Wrap)	CBT30406071071	Guangdong Baotong Quality Testing Co., Ltd.	30 March 2026

Recognition

Award / rating	Note
China Engineering Construction Recommended Product	Awarded for the company's anti-corrosion product series
China Anti-Corrosion Industry Top Ten Brands	Awarded for the company's anti-corrosion product series
Quality Assurance National Standard Qualified Product	Awarded for the company's anti-corrosion product series
AAA Enterprise Credit Rating	Corporate credit assessment certificate

06 International Business

How we work with overseas customers

SUPPLY MODES

- Direct supply to end users and EPC contractors
- Distributor and stockist agreements by territory
- Applicator support packages including site guidance
- OEM and private-label production
- Trial and sample quantities before first order

DOCUMENTATION AVAILABLE

- Company profile and product catalogue
- Individual technical data sheets
- Safety data sheets
- Third-party test reports with English transcription
- Management system certificates
- Application solutions and installation sequences
- Selected project references

Working sequence for a new enquiry



Information we need to propose a system

- Asset type, dimensions and geometry
- Existing coating and corrosion condition
- Operating temperature and installation temperature
- Buried, immersed, splash zone or atmospheric exposure
- Mechanical exposure and backfill conditions
- Cathodic protection, if any
- Applicable project specification or acceptance standard
- Estimated quantity and required delivery date

Selected project experience

Storage tank annular plate and chime protection is the largest single application area. The list below is extracted from company project records; capacities are nominal tank capacities. Full project photographs and technical proposals can be supplied for qualified review.

Client / project	Period	Tank capacity	Cold-applied system
Ningbo Dingshi Storage Co., Ltd.	2021–2022	50 000 m ³	Petrolatum tank-edge system
Sinopec Zhanjiang Refining & Chemical	2018–2020	100 000 m ³	Petrolatum tank-edge system
Sinopec Chongqing Branch	2019	100 000 m ³	Petrolatum tank-edge system
Sinopec Tongxiang Oil Depot	2020	50 000 m ³	Petrolatum tank-edge system
Daqing Pure Benzene Project	2023	50 000 m ³	Petrolatum tank-edge system
Zhangjiagang Vopak Storage	2019–2020	30 000 m ³	Petrolatum tank-edge system
Beifang Petroleum	2017–2020	20 000 m ³	Petrolatum tank-edge system
Shanhaiguan Airport Fuel Depot	2022	10 000 m ³	Petrolatum tank-edge system
Jiujiang Airport Fuel Depot	2022	5 000 m ³	Petrolatum tank-edge system

A complete reference list, including elastic-coating tank-edge projects, is issued as a separate document.

07

Why Zhuohuang

What a complete cold-applied portfolio is worth to a buyer

POSITIONING

A complete cold-applied corrosion protection portfolio, manufactured in China, configured for international projects.

Zhuohuang manufactures the full range of cold-applied corrosion protection product categories used internationally — petrolatum, viscoelastic, microcrystalline wax and polyolefin tape systems, with the matching primers, mastics and outer wraps. For buyers, distributors and contractors this makes Zhuohuang a practical alternative supplier and second source in categories that are otherwise served by a small number of established international brands.

01

Complete portfolio from one supplier

Primer, filling compound, primary wrap and outer wrap are produced in-house, so a project can be sourced, quoted and shipped as one package instead of assembled from several vendors.

03

Multiple outer wrap options

PE, PP fibre-reinforced and aluminium foil outer wraps let the outer layer be matched to UV, soil stress and handling risk rather than accepting whatever the primary wrap supplier offers.

05

Reduced surface preparation in maintenance applications

For the petrolatum and wax maintenance systems, St2 mechanical preparation is sufficient in the applications stated on the data sheet — removing blasting, containment and drying time from the critical path where the project specification allows it.

07

Competitive procurement cost

Direct manufacture, configurable widths and lengths, OEM and private-label packing, and container-scale supply give a landed cost that supports both project tendering and distributor stock.

02

Modular system configuration

The same product set covers buried pipelines, tank chimes, valves, marine steel and plant maintenance. The configuration changes; the supplier does not.

04

Cold-applied installation

No hot work, no curing schedule and no specialist applicator crew. Work can proceed on live plant and inside permit-controlled areas, which is normally where the cost of corrosion maintenance actually sits.

06

Complex geometry and repairability

Flanges, bolt clusters, valve stems and weld caps are wrapped rather than coated, and the wrap can be cut open, inspected and re-applied locally at the next turnaround.

08

Distributor-friendly range

A coherent portfolio with uniform documentation, English data sheets, safety data sheets and third-party test evidence — enough to register the range with an end user without a translation project first.

08

Product Categories and the International Market

Where Zhuohuang fits as an alternative supplier

Cold-applied corrosion protection is supplied internationally in a small number of well-defined product categories. Zhuohuang manufactures in all of them, which is what makes a single-source or second-source arrangement practical rather than partial.

Product category	What Zhuohuang supplies	Category also supplied internationally by
Petrolatum tape systems	Petrolatum tape, primer and mastic for tank chimes, valves, flanges and structural steel	Denso · Trenton · Premier · Tapecoat
Viscoelastic systems	Non-curing viscoelastic tape and paste for pipeline rehabilitation and complex geometry	STOPAQ · Viscotaq
Microcrystalline wax systems	Wax tape and wax primer to the ASTM / AWWA C217 method set	Trenton · Denso · Royston
Polyolefin pipeline tapes	PE and PP fibre-reinforced tape with modified bitumen primer for buried steel pipelines	Polyken · DENSOLEN · DEKOTEC · Canusa-CPS · 3M

The brands listed are shown only to identify the internationally recognised product categories in which Zhuohuang manufactures. They are the property of their respective owners. No comparative testing has been carried out between Zhuohuang products and the products of those companies, and no equivalence of performance is claimed. Selection for a specific project should always be made against the project specification and the relevant product data sheet.

Working with Zhuohuang

AS AN ALTERNATIVE OR SECOND SOURCE

- Qualify one supplier across four material technologies instead of four
- Reduce single-source exposure on maintenance materials
- Uniform English documentation for vendor registration
- Sample quantities for trial application before commitment

AS A DISTRIBUTOR

- A coherent range that covers most enquiries from stock
- OEM and private-label production
- Configurable widths, lengths and carton quantities
- Territory discussion and technical support for your own customers



Petrochemical



Ports and terminals



Metallurgy



Power generation

09 Contact

TECHNICAL & COMMERCIAL CONTACT

Send us your asset information

Photographs, dimensions, operating temperature, exposure conditions, existing coating condition and estimated quantity are enough for us to propose a system configuration and issue the supporting documents.

- Product and system selection
- Technical data sheets and safety data sheets
- Third-party test reports and certificates
- Installation sequence and application guidance
- Samples, packaging and private-label discussion

Company	Nanjing Zhuohuang Industrial Technology Co., Ltd.
E-mail	info@zhuohuangglobal.com
Website	www.zhuohuangglobal.com
WhatsApp	+86 183 5198 9892
Registered address	Building 201-10, Hengli Park, No. 399 Xiongzhou South Road, Liuhe District, Nanjing 211599, Jiangsu, China
Manufacturing	Manufacturing facilities in Anhui and Tianjin, China

Document set

Document	Content
Zhuohuang_Company_Profile.pdf	This document
Zhuohuang_Product_Catalogue.pdf	Complete range, system logic and selection guidance
Zhuohuang_Master_Technical_Specification.pdf	All products compared side by side in one consolidated table set
Technical data sheets (14 documents)	One data sheet per product, uniform format
Zhuohuang_Test_Reports_English_Compilation.pdf	Every third-party report, plus each report as a separate single product file
Safety data sheets (3 documents)	Petrolatum tape, wax tape and wax primer
Zhuohuang_Certificates_and_Qualifications.pdf	Management system certificates and company qualifications
Application solutions (5 documents)	Tank base, valves and flanges, buried pipeline, marine steel, pipe-rack maintenance
Zhuohuang_Project_References.pdf	Selected field applications and tank project list

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.