

ENGLISH TRANSLATION FOR REFERENCE

Third-Party Test Reports

Faithful English transcription of every independent laboratory report on Zhuohuang cold-applied corrosion protection materials.

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Laboratories

CMA / CNAS
Accreditation

2024–2026
Test period



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Status of This Document

Read before using these transcriptions

ENGLISH TRANSLATION FOR REFERENCE

This document is an English transcription prepared by Nanjing Zhuohuang Industrial Technology Co., Ltd. from the original Chinese test report. **It is not a certificate issued by the testing laboratory and it is not a laboratory-issued English reports.** The original Chinese report, with laboratory stamps and authorised signatures, is the only valid document and is supplied in full on request.

Transcription rules applied

- Sample name, model, report number, laboratory name, test basis, test items, units, requirements, results, test methods, standard numbers and dates are reproduced exactly as printed in the original report.
- No test result has been rounded, converted, re-ordered or reinterpreted.
- Where a standard number appears unusual in the original, it is reproduced as printed and marked with a footnote rather than corrected.
- Where the report does not state a product model, the sample name is kept as submitted and the result is not attributed to a specific model.
- A test report is a test result on a sample. It is not a system certification and is not described as one.

Reports in this compilation

No.	Sample tested	Report number	Date of issue	Single file
01	Petrolatum (Ester) Oil-Based Anti-Corrosion Tape	CTICAQ4512401550823164BR	18 July 2024	01
02	Petrolatum Tape Primer	CTG2410221378A_SR178AC	11 October 2024	02
03	Petrolatum Sealing Mastic	CTG2410221378A_SR179AC	11 October 2024	03
04	Viscoelastic Anti-Corrosion Tape	CTG2410221378A_SR180AC	11 October 2024	04
05	Refined Wax Anti-Corrosion Tape	J25C12220188BR	3 January 2025	05
06	PE Anti-Corrosion Tape (including matching primer)	CTG2409251378A_SR177AC	11 October 2024	06
07	PP Anti-Corrosion Tape and Primer	CTG2410221378A_SR176AC	11 October 2024	07
08	UV-Resistant Sealing Anti-Corrosion Tape (Aluminium Foil Outer Wrap)	CBT30406071071	30 March 2026	08

Each report is also issued as a separate single-product PDF in the folder Individual_Reports, so that a customer can be sent only the report relevant to the product under discussion.

General limitations stated by the laboratories

- A report is invalid without the laboratory's inspection seal or company seal in the designated position.
- The report may not be partially reproduced without permission; a copy without a re-applied red inspection seal is invalid.
- A report without the signatures of the chief examiner, reviewer and approver is invalid; an altered report is invalid.
- Results are valid only for the sample submitted to the laboratory.
- Objections must be raised in writing to the testing organisation within fifteen days of receipt.

01

Petrolatum (Ester) Oil-Based Anti-Corrosion Tape

Report CTICAQ4512401550823164BR

ENGLISH TRANSLATION FOR REFERENCE — NOT A LABORATORY-ISSUED DOCUMENT

Report identification

Field	Content
Report number	CTICAQ4512401550823164BR
Sample name as submitted	Petrolatum (Ester) Oil-Based Anti-Corrosion Tape / ()
Model / specification stated in the report	AC flexible grease-fibre corrosion-resistant sealing tape
Scope of the sample	General petrolatum anti-corrosion tape — not specific to an individual grade
Client (entrusting party)	Nanjing Zhuohuang Industrial Technology Co., Ltd.
Manufacturer	Nanjing Zhuohuang Industrial Technology Co., Ltd.
Testing laboratory	CTIC Testing Technology (Guangdong) Group Co., Ltd.
Laboratory accreditation	CMA 202319017008 · CNAS L19533 · ILAC-MRA
Sample quantity	1 pc
Sample received	6 July 2024
Test period	6 July 2024 – 18 July 2024
Date of issue	18 July 2024
Test basis	CDP-S-0GP-AC-019-2014-2 and client-specified indices
Inspection type	Entrusted inspection
Conclusion	All tested items comply with the requirements.

Test results

Test item	Unit	Requirement	Result	Test method
Colour	/	Yellow	Yellow	Visual
Breakdown voltage (55 % overlap)	kV	≥ 15	18.2	GB/T 1408.1-2006
Breakdown voltage (single layer)	kV	> 12	13.2	GB/T 1408.1-2006
Breaking strength	N/50 mm	≥ 100	200	GB/T 3923.1
Elongation at break	%	≥ 10	30	GB/T 1040
Weight	kg/m²	≥ 1.30	1.875	Measured
Thickness	mm	≥ 1.10	1.33	Measured
Petrolatum or paraffin content (mass fraction)	%	≥ 50	60	GB/T 30788-2014 Annex 1
Flame retardant rating (China)	/	—	B	GB/T 8624-2006
Water vapour transmission	mg/cm²·24 h	—	≤ 0.165	GB/T 1037
Flash point	°C	≥ 150	180	GB/T 3536
Resistance to 10 % hydrochloric acid (7 d)	/	No abnormality	No abnormality	SY/T 0315-2005 Annex 1
Resistance to 10 % sodium hydroxide (7 d)	/	No abnormality	No abnormality	SY/T 0315-2005 Annex 1

Test item	Unit	Requirement	Result	Test method
Resistance to 20 % sodium chloride (7 d)	/	No abnormality	No abnormality	SY/T 0315-2005 Annex 1
Drop melting point	°C	≥ 55	90	GB/T 8026
Neutral salt spray (1 000 h)	/	No rust	No rust	GB/T 10125

RELATIONSHIP TO THE PRODUCT RANGE

Related products: Petrolatum Anti-Corrosion Tape — Marine Grade · Petrolatum Anti-Corrosion Tape — Industrial Grade · Petrolatum Anti-Corrosion Tape — Seawater Grade. The sample submitted was not identified by model in the report, so this result is presented as a related reference and not as a test of a specific model.

A test report records the properties measured on the sample submitted. It is a test result, not a system certification, and it does not qualify a complete installed system unless the report itself states that an installed system specimen was tested.

02

Petrolatum Tape Primer

Report CTG2410221378A_SR178AC

ENGLISH TRANSLATION FOR REFERENCE — NOT A LABORATORY-ISSUED DOCUMENT

Report identification

Field	Content
Report number	CTG2410221378A_SR178AC
Sample name as submitted	Petrolatum Tape Primer /
Model / specification stated in the report	/
Scope of the sample	Sample submitted as “petrolatum tape primer”; the report does not state a product model
Client (entrusting party)	Nanjing Zhuohuang Industrial Technology Co., Ltd.
Manufacturer	Nanjing Zhuohuang Industrial Technology Co., Ltd.
Testing laboratory	Shenzhen Third-Party Testing Technology Co., Ltd. (CTG)
Laboratory accreditation	CMA / CNAS accredited laboratory
Sample quantity	20 g
Sample received	11 September 2024
Test period	11 September 2024 – 11 October 2024
Date of issue	11 October 2024
Test basis	GB/T 4472, GB/T 1725, GB/T 8026, GB/T 3536
Inspection type	Entrusted inspection
Conclusion	All tested items assessed as Pass.

Test results

Test item	Unit	Requirement	Result	Test method
Colour	/	Brown	Brown	Visual
Density	g/cm ³	≥ 1.0	1.2	GB/T 4472
High-temperature flow resistance	—	90 °C oven, panel suspended 24 h: no dripping, no running, no sagging	No dripping, no running, no sagging	Measured
Non-volatile content	%	≥ 70	75	GB/T 1725
Drop melting point	°C	≥ 90	93	GB/T 8026
Flash point	°C	≥ 70	78	GB/T 3536

RELATIONSHIP TO THE PRODUCT RANGE

Related products: Anti-Corrosion Tape Primer. The sample submitted was not identified by model in the report, so this result is presented as a related reference and not as a test of a specific model.

A test report records the properties measured on the sample submitted. It is a test result, not a system certification, and it does not qualify a complete installed system unless the report itself states that an installed system specimen was tested.

03

Petrolatum Sealing Mastic

Report CTG2410221378A_SR179AC

ENGLISH TRANSLATION FOR REFERENCE — NOT A LABORATORY-ISSUED DOCUMENT

Report identification

Field	Content
Report number	CTG2410221378A_SR179AC
Sample name as submitted	Petrolatum Sealing Mastic /
Model / specification stated in the report	/
Scope of the sample	Sample submitted as “petrolatum sealing mastic”; the report does not state a product model
Client (entrusting party)	Nanjing Zhuohuang Industrial Technology Co., Ltd.
Manufacturer	Nanjing Zhuohuang Industrial Technology Co., Ltd.
Testing laboratory	Shenzhen Third-Party Testing Technology Co., Ltd. (CTG)
Laboratory accreditation	CMA / CNAS accredited laboratory
Sample quantity	20 g
Sample received	11 September 2024
Test period	11 September 2024 – 11 October 2024
Date of issue	11 October 2024
Test basis	SY/T 0415-1996, SY/T 0315-2005 Annex I, GB/T 4472
Inspection type	Entrusted inspection
Conclusion	All tested items assessed as Pass.

Test results

Test item	Unit	Requirement	Result	Test method
Colour	/	Yellow	Yellow	Visual
Density	g/cm ³	0.8–1.0	0.89	GB/T 4472
High-temperature flow resistance	/	90 °C oven, column specimen 24 h: no running, no slumping	No slumping	Measured
Water absorption	g/cm ³	≤ 6 × 10 ⁻¹	≤ 5 × 10 ⁻¹	SY/T 0415-1996 Annex B
Chemical resistance, 10 % HCl (ambient, 7 d)	/	No discolouration, blistering, softening, cracking, peeling or loss of adhesion	Complies	SY/T 0315-2005 Annex I
Chemical resistance, 10 % NaOH (ambient, 7 d)	/	No discolouration, blistering, softening, cracking, peeling or loss of adhesion	Complies	SY/T 0315-2005 Annex I
Chemical resistance, 3 % NaCl (ambient, 7 d)	/	No discolouration, blistering, softening, cracking, peeling or loss of adhesion	Complies	SY/T 0315-2005 Annex I

RELATIONSHIP TO THE PRODUCT RANGE

Related products: Lightweight Sealing Mastic. The sample submitted was not identified by model in the report, so this result is presented as a related reference and not as a test of a specific model.

A test report records the properties measured on the sample submitted. It is a test result, not a system certification, and it does not qualify a complete installed system unless the report itself states that an installed system specimen was tested.

04

Viscoelastic Anti-Corrosion Tape

Report CTG2410221378A_SR180AC

ENGLISH TRANSLATION FOR REFERENCE — NOT A LABORATORY-ISSUED DOCUMENT

Report identification

Field	Content
Report number	CTG2410221378A_SR180AC
Sample name as submitted	Viscoelastic Anti-Corrosion Tape /
Model / specification stated in the report	/
Client (entrusting party)	Nanjing Zhuohuang Industrial Technology Co., Ltd.
Manufacturer	Nanjing Zhuohuang Industrial Technology Co., Ltd.
Testing laboratory	Shenzhen Third-Party Testing Technology Co., Ltd. (CTG)
Laboratory accreditation	CMA / CNAS accredited laboratory
Sample quantity	Viscoelastic tape 2 rolls; pressure-sensitive heat-shrink sleeve 1 set; PVC cold-wrap tape 1 roll
Sample received	11 September 2024
Test period	11 September 2024 – 11 October 2024
Date of issue	11 October 2024
Test basis	GB/T 7124-2008, GB/T 23257-2017, GB/T 2792-2014
Inspection type	Entrusted inspection
Conclusion	All tested items assessed as Pass.

Test results

Test item	Unit	Requirement	Result	Test method
Appearance	/	Straight edges; flat, clean surface	Straight edges; flat, clean surface	Visual
Tape thickness	mm	≥ 1.8	1.85	GB/T 6672-2001
Sag (90 °C, 48 h)	/	No sag	No sag	GB/T 51241-2017 Annex A
Peel strength to steel, -45 °C	N/cm	≥ 50	84.5	GB/T 2792-2014 (180°)
Peel strength to steel, 23 °C	N/cm	≥ 2	9.9	GB/T 2792-2014 (180°)
Peel strength to steel, 70 °C	N/cm	≥ 0.2	2.0	GB/T 2792-2014 (180°)
Adhesive coverage on steel, -45 / 23 / 70 °C	%	≥ 95	100 / 100 / 100	GB/T 2792-2014 (180°)
Peel strength to PE, -45 °C	N/cm	≥ 50	82.8	GB/T 2792-2014 (180°)
Peel strength to PE, 23 °C	N/cm	≥ 2	9.7	GB/T 2792-2014 (180°)
Peel strength to PE, 70 °C	N/cm	≥ 0.2	1.9	GB/T 2792-2014 (180°)
Adhesive coverage on PE, -45 / 23 / 70 °C	%	≥ 95	100 / 100 / 100	GB/T 2792-2014 (180°)
Lap shear strength, -45 °C	MPa	≥ 1.0	1.2	GB/T 7124-2008
Lap shear strength, 23 °C	MPa	≥ 0.02	0.03	GB/T 7124-2008
Flame retardant rating	/	B	B	GB/T 8624-2006

Test item	Unit	Requirement	Result	Test method
Water absorption	%	≤ 0.03	0.018	SY/T 0414-2017 Annex B

Installed system — viscoelastic tape + PVC cold-wrap outer tape (pipe specimen)

Test item	Unit	Requirement	Result	Test method
Impact resistance 23 °C (holiday detection 15 kV)	J	3 J impact, no holiday	≥ 3	GB/T 23257-2017 Annex L
Indentation hardness 23 °C — residual thickness at 1 MPa	mm	≥ 0.6	1.16	GB/T 23257-2017 Annex H
Indentation hardness 23 °C — spark test (5 kV/mm + 5 kV)	/	No holiday	No holiday	GB/T 23257-2017 Annex H
Peel strength to steel, 23 °C	N/cm	≥ 4	8.7	GB/T 23257-2017 Annex K
Adhesive coverage on steel, 23 °C	%	≥ 95	100	GB/T 23257-2017 Annex K
Peel strength to PE, 23 °C	N/cm	≥ 4	8.8	GB/T 23257-2017 Annex K
Adhesive coverage on PE, 23 °C	%	≥ 95	100	GB/T 23257-2017 Annex K
Peel strength to steel, 70 °C	N/cm	≥ 0.4	0.9	GB/T 23257-2017 Annex K
Peel strength to PE, 70 °C	N/cm	≥ 0.4	0.8	GB/T 23257-2017 Annex K

Installed system — viscoelastic tape + pressure-sensitive heat-shrink outer sleeve (pipe specimen)

Test item	Unit	Requirement	Result	Test method
Impact resistance 23 °C (holiday detection 15 kV)	J	≥ 15	15 J impact, no holiday	GB/T 23257-2017 Annex L
Peel strength to steel, 23 °C	N/cm	≥ 4	10.3	GB/T 23257-2017 Annex K
Adhesive coverage on steel, 23 °C	%	≥ 95	100	GB/T 23257-2017 Annex K
Peel strength to PE, 23 °C	N/cm	≥ 4	10.2	GB/T 23257-2017 Annex K
Adhesive coverage on PE, 23 °C	%	≥ 95	100	GB/T 23257-2017 Annex K
Peel strength to steel, 70 °C	N/cm	≥ 0.4	1.4	GB/T 23257-2017 Annex K
Peel strength to PE, 70 °C	N/cm	≥ 0.4	1.3	GB/T 23257-2017 Annex K

RELATIONSHIP TO THE PRODUCT RANGE

Report issued on: Viscoelastic Anti-Corrosion Tape

A test report records the properties measured on the sample submitted. It is a test result, not a system certification, and it does not qualify a complete installed system unless the report itself states that an installed system specimen was tested.

05 Refined Wax Anti-Corrosion Tape

Report J25C12220188BR

ENGLISH TRANSLATION FOR REFERENCE — NOT A LABORATORY-ISSUED DOCUMENT

Report identification

Field	Content
Report number	J25C12220188BR
Sample name as submitted	Refined Wax Anti-Corrosion Tape /
Model / specification stated in the report	/
Client (entrusting party)	Nanjing Zhuohuang Industrial Technology Co., Ltd.
Manufacturer	Nanjing Zhuohuang Industrial Technology Co., Ltd.
Testing laboratory	Shenzhen Jinglian Testing Co., Ltd.
Laboratory accreditation	CMA 202219016678 · CNAS L18543 · ILAC-MRA
Sample quantity	1 pc
Sample received	26 December 2024
Test period	26 December 2024 – 3 January 2025
Date of issue	3 January 2025
Test basis	Client-specified technical requirements (ASTM / AWWA method set)
Inspection type	Entrusted inspection
Conclusion	All tested items assessed as Pass.

Test results

Test item	Unit	Requirement	Result	Test method
Thickness	mm	2 mm	2 mm	—
Dielectric strength	V/mil	≥ 170	Complies	ASTM D149
Breaking strength	N/m	≥ 3 940	Complies	ASTM D1000
Elongation at break	%	≥ 6	8	ASTM D1000
Flash point	°C	≥ 150	160	ASTM D92
Water vapour permeability	perms	≤ 0.25	Complies	ASTM E96
Petrolatum or petroleum wax content	%	≥ 80	90	AWWA C217
Drip temperature	°C	≥ 60	75	ASTM D127
Penetration (25 °C, 100 g, 5 s)	mm	6.1–12.7	Complies	ASTM D937
Water absorption	%	< 5	3	ASTM D570
Water resistance (38 °C, 24 h)	/	No visible change of colour, blistering or gloss	Complies	ASTM D870
Burning rate	mm/min	0	Complies	ASTM D635-10
Salt spray	h	> 3 000	Complies	ASTM B117
Ultraviolet resistance	h	> 3 000	Complies	ASTM B154 *
Chemical resistance	h	> 3 000	Complies	ASTM G20

* Standard number reproduced exactly as printed in the original Chinese report.

RELATIONSHIP TO THE PRODUCT RANGE

Report issued on: Microcrystalline Wax Anti-Corrosion Tape

A test report records the properties measured on the sample submitted. It is a test result, not a system certification, and it does not qualify a complete installed system unless the report itself states that an installed system specimen was tested.

06

PE Anti-Corrosion Tape (including matching primer)

Report CTG2409251378A_SR177AC

ENGLISH TRANSLATION FOR REFERENCE — NOT A LABORATORY-ISSUED DOCUMENT

Report identification

Field	Content
Report number	CTG2409251378A_SR177AC
Sample name as submitted	PE Anti-Corrosion Tape (including matching primer) /
Model / specification stated in the report	/
Client (entrusting party)	Nanjing Zhuohuang Industrial Technology Co., Ltd.
Manufacturer	Nanjing Zhuohuang Industrial Technology Co., Ltd.
Testing laboratory	Shenzhen Third-Party Testing Technology Co., Ltd. (CTG)
Laboratory accreditation	CMA / CNAS accredited laboratory
Sample quantity	20 g
Sample received	11 September 2024
Test period	11 September 2024 – 11 October 2024
Date of issue	11 October 2024
Test basis	GB/T 6672-2001, GB/T 1040.3-2006, GB/T 2792-2014, GB/T 1408.1-2006, GB/T 31838.2-2019, GB/T 1037-2021, GB/T 1725-2007, GB/T 1728-2020
Inspection type	Entrusted inspection
Conclusion	All tested items assessed as Pass.

Test results

Test item	Unit	Requirement	Result	Test method
Thickness	mm	Per manufacturer specification, deviation $\pm 5\%$	1.05	GB/T 6672-2001
Backing tensile strength	MPa	≥ 18	26.9	GB/T 1040.3-2006
Backing tensile strain at break	%	≥ 200	479	GB/T 1040.3-2006
Peel strength to primed steel (300 mm/min, 180°, 23 °C)	N/cm	≥ 30	34.06	GB/T 2792-2014
Peel strength to backing (300 mm/min, 180°, 23 °C)	N/cm	≥ 25	33.08	GB/T 2792-2014
Backing electric strength	MV/m	≥ 30	70.8	GB/T 1408.1-2006
Volume resistivity	$\Omega\cdot\text{m}$	$\geq 1 \times 10^{13}$	5.60×10^{13}	GB/T 31838.2-2019
Water absorption	%	≤ 0.20	0.067	SY/T 0414-2017 Annex B
Water vapour permeability	mg/24 h·cm ²	≤ 0.25	0.180	GB/T 1037-2021

Matching primer

Test item	Unit	Requirement	Result	Test method
Non-volatile content	%	≥ 15	31.5	GB/T 1725-2007
Surface drying time	min	≤ 5	4	GB/T 1728-2020

Test item	Unit	Requirement	Result	Test method
Viscosity (flow cup No. 4)	s	10-30	26.5	GB/T 1723-1993

RELATIONSHIP TO THE PRODUCT RANGE

Report issued on: PE Anti-Corrosion Tape

A test report records the properties measured on the sample submitted. It is a test result, not a system certification, and it does not qualify a complete installed system unless the report itself states that an installed system specimen was tested.

07

PP Anti-Corrosion Tape and Primer

Report CTG2410221378A_SR176AC

ENGLISH TRANSLATION FOR REFERENCE — NOT A LABORATORY-ISSUED DOCUMENT

Report identification

Field	Content
Report number	CTG2410221378A_SR176AC
Sample name as submitted	PP Anti-Corrosion Tape and Primer /
Model / specification stated in the report	/
Client (entrusting party)	Nanjing Zhuohuang Industrial Technology Co., Ltd.
Manufacturer	Nanjing Zhuohuang Industrial Technology Co., Ltd.
Testing laboratory	Shenzhen Third-Party Testing Technology Co., Ltd. (CTG)
Laboratory accreditation	CMA / CNAS accredited laboratory
Sample quantity	Tape 1 roll; backing 1 roll; primer 500 mL
Sample received	11 September 2024
Test period	11 September 2024 – 11 October 2024
Date of issue	11 October 2024
Test basis	GB/T 6672-2001, GB/T 1040.3-2006, GB/T 1408.1-2016, GB/T 1037-1988, GB/T 1725-2007, SY/T 0414-2017
Inspection type	Entrusted inspection
Conclusion	All tested items assessed as Pass.

Test results

Test item	Unit	Requirement	Result	Test method
Backing thickness	mm	/	0.32	GB/T 6672-2001
Total thickness	mm	/	1.13	GB/T 6672-2001
Backing tensile strength	MPa	≥ 60	77.6	GB/T 1040.3-2006
Peel strength to backing, 23 °C	N/cm	≥ 25	46.4	GB/T 2792-2014 (180°)
Peel strength to primed steel, 23 °C	N/cm	≥ 30	42.8	GB/T 2792-2014 (180°)
Water absorption	%	≤ 0.35	0.34	SY/T 0414-2017 Annex B
Volume resistivity	Ω·m	≥ 1 × 10 ¹²	1.3 × 10 ¹³	GB/T 31838.2-2019
Electric strength	kV/mm	≥ 15	16.4	GB/T 1408.1-2016
Water vapour permeability	mg/(24 h·cm ²)	≤ 0.45	0.082	GB/T 1037-1988

Primer performance

Test item	Unit	Requirement	Result	Test method
Non-volatile content	%	≥ 15	31.1	GB/T 1725-2007
Surface drying time, 23 °C	min	≤ 5	3	GB/T 1728-1979 (1989)
Viscosity (flow cup No. 4), 23 °C	s	10–30	16	GB/T 1723-1993

RELATIONSHIP TO THE PRODUCT RANGE

Report issued on: PP Fibre-Reinforced Anti-Corrosion Tape

A test report records the properties measured on the sample submitted. It is a test result, not a system certification, and it does not qualify a complete installed system unless the report itself states that an installed system specimen was tested.

08

UV-Resistant Sealing Anti-Corrosion Tape
(Aluminium Foil Outer Wrap)

Report CBT30406071071

ENGLISH TRANSLATION FOR REFERENCE — NOT A LABORATORY-ISSUED DOCUMENT

Report identification

Field	Content
Report number	CBT30406071071
Sample name as submitted	UV-Resistant Sealing Anti-Corrosion Tape (Aluminium Foil Outer Wrap) /
Model / specification stated in the report	LW109B
Client (entrusting party)	Nanjing Zhuohuang Industrial Technology Co., Ltd.
Manufacturer	Nanjing Zhuohuang Industrial Technology Co., Ltd.
Testing laboratory	Guangdong Baotong Quality Testing Co., Ltd. (CBT)
Laboratory accreditation	Accredited testing laboratory
Sample quantity	1 pc
Sample received	10 November 2025
Test period	10 November 2025 – 30 March 2026
Date of issue	30 March 2026
Test basis	SY/T 0414-2017 Technical standard for polyethylene tape coatings of steel pipelines; JC/T 942-2004 Butyl rubber waterproof sealing tape
Inspection type	Entrusted inspection
Conclusion	All tested items comply with the requirements of the test basis. Overall result: Pass.

Test results

Test item	Unit	Requirement	Result	Test method
Colour	/	Silver	Silver	Visual
Backing thickness	mm	≥ 0.07	0.07	GB/T 6672-2001
Total thickness	mm	≥ 1.0	1.05	GB/T 6672-2001
Backing tensile strength	MPa	≥ 60	62	GB/T 1040.3-2006
Backing elongation	%	≥ 10	21	GB/T 1040.3-2006
Water absorption	%	≤ 0.35	0.2	SY/T 0414-2017 Annex B
Peel strength to backing, 23 °C	N/cm	≥ 25	30	GB/T 2792-2014
Peel strength to primed steel, 23 °C	N/cm	≥ 30	35	GB/T 2792-2014
Water vapour transmission	mg/cm ² ·24 h	≤ 0.24	0.166	GB/T 1037
Neutral salt spray (3 000 h)	/	Rust grade A, rust degree 0 %	Rust grade A, rust degree 0 %	GB/T 10125
Ultraviolet ageing (3 000 h)	/	No abnormality	No abnormality	GB/T 14522-2008

RELATIONSHIP TO THE PRODUCT RANGE

Report issued on: Aluminium Foil Outer Wrap Tape

A test report records the properties measured on the sample submitted. It is a test result, not a system certification, and it does not qualify a complete installed system unless the report itself states that an installed system specimen was tested.

09

Requesting the Original Reports

Complete scanned copies of every original Chinese report, including laboratory seals, authorised signatures and sample photographs, are supplied on request for vendor qualification, tender submission and technical review.

TECHNICAL & COMMERCIAL CONTACT

Send us your asset information

Tell us which reports you need and in what form — scanned PDF of the original, this English transcription, or both — and we will send them with the corresponding technical data sheets.

- 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

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Manufacturing	Manufacturing facilities in Anhui and Tianjin, China

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. Test results relate only to the samples submitted to the laboratory and do not by themselves constitute a guarantee of performance in a specific project.