

The image features a dramatic sunset over a vast industrial landscape. In the foreground, two massive, parallel pipes stretch from the bottom left towards the center, receding into the distance. The pipes are highly reflective, showing bright highlights from the setting sun. The ground around them is dark and textured, possibly covered in gravel or sand. The sky is a mix of deep blues, oranges, and yellows, with scattered clouds. The overall mood is industrial and powerful.

XUNDA

Pipe Coating Materials

JINING XUNDA PIPE COATING MATERIALS CO.,LTD
济宁迅大管道防腐材料有限公司



Jining Xunda Pipe Coating Materials Co.,Ltd Leader in corrosion protection and waterproofing

Jining Xunda Pipe Coating Materials Co.,Ltd , the manufacturer of the manufacturer corrosion prevention coating materials construction waterproof and sealing coating materials.

A joint-stock enterprise, possessing a gross investment of RMB 82 million, registered capital of RMB 20 million.

Our services:underground, underwater and aboveground oil , gas , water and petrochemical pipelines transport system corrosion and mechanical protection、 Construction building roof , bathroom ,kitchen waterproof、 bridge concrete waterproof and sealing、 Pipeline insulation and UV resistance、 shipbuilding and oil, water tanks waterproof and corrosion prevention.

Our advantage:we have the advanced production technology, Scientific management method, First-class R & D team, Perfect after sales service system . We have passed the SGS , DVGW, AWWA test and ISO9001, ISO14001, ISO18001,Bureau Veritas certification. We are the Audited Suppliers of SINOPEC, CNOOC,CNPC. We established from 1998 and growing up to the largest pipeline anti-corrosion tape manufacturer in China since 2013 .

Our major market including more than 70 countries, widely distributed in South Asia, Southeast Asia, Central Asia, West Asia, the Middle East, Africa, Europe, Eastern Europe, South America, Australia.

Philosophy:

Your needs , our pursuit .

Mission and Vision:

Xunda will continue to develop corrosion prevention, waterproof and sealing solutions for the protection of client's valuable infrastructural assets around the world, ensuring our clients derive maximum benefit from our solutions. fulfilling all market requirements for a performance guarantee against corrosion , whilst ensuring respect for the environment and applicator.

Pursuing world leadership for innovative, cost-effective, and environmentally corrosion prevention , waterproof and sealing solution.





SGS

TEST REPORT
No. GENW210002675
Date: Nov 19, 2015
Page: 1 of 3

CUSTOMER NAME
JINING XUNDA PIPE COATING MATERIALS CO., LTD
ADDRESS
Jing High Tech Industrial Park, Jining City, Shandong Province, China

The following described work was performed and completed pursuant to the client's request.

Sample Name
PIPE

SGS Ref No.
C270011400000001_00000001

Date of Receipt
Nov 16, 2015

Testing Start Date
Nov 16, 2015

Testing End Date
Nov 18, 2015

Test Result(s)
For further details, please refer to the following pages.

Report for:
SGS/CMC Standards Treatment
Business Co., Ltd. (Singapore Branch)

Victory

Victory Hong Kong
Authorized signatory



DVGW
DEUTSCHE VEREINIGUNG
VON GAS-UND
WASSERTECHNIK
UND WÄRMETECHNIK
FÜR TECHNISCHE GASE

97 221 2761
720 500 748
Bismarckstrasse 1, Bünde
323 107 Bünde 2
AUFWAND: 120.000,-€
Deckungsbeitrag: 50%

BERICHT
über die Sachverständigenprüfung
des Anticorrosionsaufbaus mittels
"KIMBA-TES-1-KIMBA-TES"

Nach DIN EN 12049 „Entwickelungsprozesse und Operationen für die Korrosionsbewertung mit Hilfe der Messung von Hydrogen- und Sauerstoffkonzentration mit antiperforierenden Messsonden – Röhren und schweißnahtförmige Metallteile“ März 1999.

Auftraggeber:
Jining Xunda Pipe Coating Materials Co., Ltd.
Guangdong Industrial Park,
Anting Road, Jining City,
Zhejiang, Shandong, P.R. China



(Übersetzer Bericht enthalten in Anlage 1 & 2 Anlagen)

EXOVO

TEST REPORT
DATE: JUN 12, 2015
LAB NO.: 660047
CLIENT NO.: T1400001511
CLIENT: XINWANG
INSTRUMENT: Salt Transfer

DESCRIPTION OF SAMPLE
Tie Q. Anticorrosion Steel in Jining XUNDA Pipe Coating Materials

1) Immersion Test T-100 - 20 hr
2) Salt Spray Test T-175 - 24 hr

WORK PERFORMED
Testing by American Warshights Assessment and Ratings (AWAR) (ASTM D 3016)

Table 1 - Initial Salt Time

Time	Condition
1) 0:30	Initial
2) 1:30	Thickness
3) 2:30	Adhesion to Steel After 2-1000 with 24 hour salt time
4) 3:30	Water Absorption per ASTM D 2039
5) 4:30	Impact 1000 Foot-pounds per ASTM D 2039
6) 5:30	Tensile Strength & Elongation per ASTM D 2002
7) 6:30	Microscopic Images (Cross-Section of ACTW D 2039)

Table 2 - After Salt Time

Time	Condition
1) 8:00	Initial
2) 9:00	Thickness
3) 10:00	Adhesion to Steel After 2-1000 with 24 hour salt time
4) 11:00	Tensile Strength & Elongation per ASTM D 2002
5) 12:00	Microscopic Images (Cross-Section of ACTW D 2039)

Table 3 - After Salt Time

Time	Condition
1) 13:00	Initial
2) 14:00	Impact Resistance per ASTM D 2039
3) 15:00	Microscopic Images (Cross-Section of ACTW D 2039)

DCR: 06
Date: 6/12/15

Page # 8/108
Page 1 of 8

ISO 9001

Certificate of Approval
Certificate No.: 180104200800
Awarded to
Jining Xunda anticorrosion of pipeline materials Co., Ltd.

Registration No.: No. Jing Xun 1501/2015, China Inspection Certification Center (CICC) Shandong Province, 271000
Address: No. 166 Shengping Road, Jinan City, Shandong Province, China (250013)
Province: Shandong Province, Jinan City, Shandong Province, China (250013)

Being Zhonglian Tianrun Certification Center (CTCC) verify that the Quality Management System of the above organization has been assessed and found to be in accordance with the requirements of the standard:
ISO 9001:2008

SCOPE OF CERTIFICATION/REGISTRATION
Processing and sale of pipeline anticorrosion tape

Subject to operational conditions in accordance with Quality Management System. This Certificate is valid for a period of three years only.
Issue Date: Oct 19th, 2014 To Oct 18th, 2017

The effectiveness of this Certificate shall be maintained by periodic surveillance audits at 6-12 months. This Certificate will not be in force unless notified otherwise in which case audits be at 3-6 months according to need.

Issued on: 10/19/14
Valid to: 10/18/17
Status: Valid




Beijing Zhonglian Tianrun Certification Center
Room: 3001, 3007, 3008, 3009, Jishan Road, 1 No. 166 Shengping Road, Jinan City, Shandong Province, China 250013

OHSAS 18001

Certificate of Occupational Health and Safety Management System
Certificate No.: 101101100008
Awarded to
Jining Xunda anticorrosion of pipeline materials Co., Ltd.

Registration No.: No. Jing Xun 1501/2015, China Inspection Certification Center (CICC) Shandong Province, 271000
Address: No. 166 Shengping Road, Jinan City, Shandong Province, China (250013)
Province: Shandong Province, Jinan City, Shandong Province, China (250013)

Being Zhonglian Tianrun Certification Center (CTCC) verify that the Occupational Health and Safety Management System of the above organization has been assessed and found to be in accordance with the requirements of the standard:
OHSAS 18001-2011 / ISO 45001: 1997

SCOPE OF CERTIFICATION/REGISTRATION
The occupational health and safety management activities controlled by Processing and sale of pipeline anticorrosion tape

Subject to operational conditions in accordance with Occupational Health and Safety Management System. This Certificate is valid for a period of three years only.
Issue Date: Oct 19th, 2014 To Oct 18th, 2017

The effectiveness of this Certificate shall be maintained by periodic surveillance audits at 6-12 months. This Certificate will not be in force unless notified otherwise in which case audits be at 3-6 months according to need.

Issued on: 10/19/14
Valid to: 10/18/17
Status: Valid




Beijing Zhonglian Tianrun Certification Center
Room: 3001, 3007, 3008, 3009, Jishan Road, 1 No. 166 Shengping Road, Jinan City, Shandong Province, China 250013

ISO 14001

Certificate of Environment Management System
Certificate No.: 101101100008
Awarded to
Jining Xunda anticorrosion of pipeline materials Co., Ltd.

Registration No.: No. Jing Xun 1501/2015, China Inspection Certification Center (CICC) Shandong Province, 271000
Address: No. 166 Shengping Road, Jinan City, Shandong Province, China (250013)
Province: Shandong Province, Jinan City, Shandong Province, China (250013)

Being Zhonglian Tianrun Certification Center (CTCC) verify that the Environment Management System of the above organization has been assessed and found to be in accordance with the requirements of the standard:
ISO 14001: 1994

SCOPE OF CERTIFICATION/REGISTRATION
The environmental management activities controlled by Processing and sale of pipeline anticorrosion tape

Subject to operational conditions in accordance with Environment Management System. This Certificate is valid for a period of three years only.
Issue Date: Oct 19th, 2014 To Oct 18th, 2017

The effectiveness of this Certificate shall be maintained by periodic surveillance audits at 6-12 months. This Certificate will not be in force unless notified otherwise in which case audits be at 3-6 months according to need.

Issued on: 10/19/14
Valid to: 10/18/17
Status: Valid




Beijing Zhonglian Tianrun Certification Center
Room: 3001, 3007, 3008, 3009, Jishan Road, 1 No. 166 Shengping Road, Jinan City, Shandong Province, China 250013

Leader in corrosion protection and waterproofing



迅大防腐
XUNDA

XUNDA T100 & T200 Pipeline Coating System

System Description

The Xunda anti-corrosion tape T100, mechanical protection tape T200 is a multilayer system used for the corrosion protection of oil, gas, and water underground or aboveground steel pipeline. T100 & T200 consist of two layers, the butyl rubber adhesive laminated on the polyethylene film backing. The T100 can be used as inner tape, T200 can be used as outer tape.

Xunda liquid adhesive can be used as primer for this system. The liquid adhesive represent an anti-corrosion layer and provide a uniformly smooth contact surface to promote high adhesion of the coating system to the pipe.

The anti-corrosion tape assures a high bond to the primed surface with excellent conformability. The mechanical protection tape achieves a complete bond to the anti-corrosion tape.

The system can be applied by hand or with a wrapping machine.

System Features

- Cold applied without special equipment.
- Resistant to soil stress
- Excellent adhesion to primed pipe and itself.
- Can be applied over a wide temperature range.
- Good conformability and consistent uniform thickness.
- Compatible with common pipe coatings.
- Excellent resistance to cathodic disbondment.
- Long term in-ground performance
- Meets ASTM D 1000, EN 12068, AWWA C214, C209, DIN 30672 and other international standards.

System Properties

Series	Anti-corrosion Tape T100				Mechanical Protection Tape T200			
	Model	T138	T150	T165	T176	T238	T250	T265
Backing	0.23mm	0.25mm	0.33mm	0.35mm	0.25mm	0.38mm	0.508mm	0.64mm
Adhesive	0.15mm	0.25mm	0.305mm	0.41mm	0.13mm	0.12mm	0.127mm	0.12mm
Tape thickness	0.38mm, 0.508mm, 0.635mm, 0.762mm or others							
Width	50mm, 100mm, 150mm, 225mm or others							
Length	30m, 60m, 120m, 180m or others							
Color	Black, Yellow, White or others							



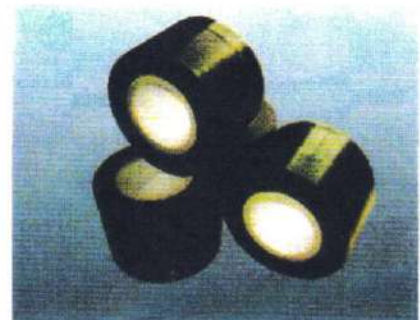
Leader in corrosion protection and waterproofing



XUNDA T100& T200

Pipeline Coating System

迅大防腐
XUNDA



Product Properties	Test method	Typical Value	
		T165	T265
Tensile strength	ASTM D1000	52N/cm	70N/cm
Elongation	ASTM D1000	>400%	>400%
Yield strength	ASTM D1000	58N/cm	78N/cm
System Properties: T165 & T265			
Peel Adhesion to Primed Steel	ASTM D1000	30N/cm	
Peel Adhesion to PE backing	ASTM D1000	6 N/cm	
Cathodic Disbondment	ASTM G8	6.4mm	
Water Vapor Transmission Rate	ASTM F1249	0.1g/m ²	
Water Absorptivity	ASTM D570	0.1%	
Volume Resistivity	ASTM D257	2.5 X 10 ¹⁵ ohm·cm	
Dielectric Strength	ASTM D149	42 kV	
Impact Resistance	ASTM G-14	7.0Nm	
Temperature Range		5°C - 50°C (For Application) -34°C - 85°C (For Service)	

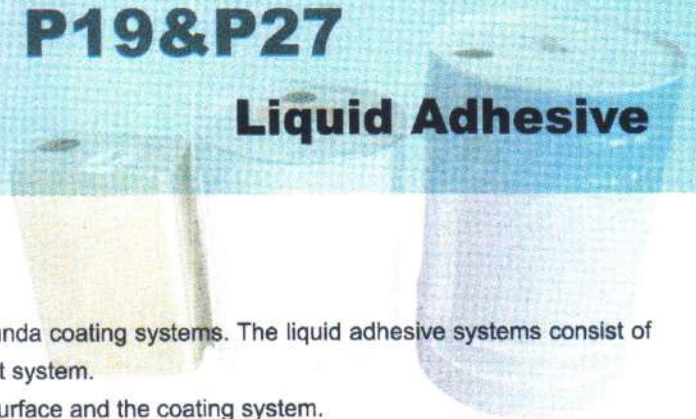


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XUNDA P19&P27

Liquid Adhesive



System Description >

The Xunda liquid adhesive is recommended to use only Xunda coating systems. The liquid adhesive systems consist of butyl based polymeric resins dissolved in an organic solvent system.

The liquid adhesive provided high cohesive between pipe surface and the coating system.

It can be used by hand brush or machine spray application.

We also provide the solid primer ,the solid primer should dissolved in an organic solvent and stirred before application.



System Features >

- Quick dry
- Easy to apply
- High adhesion to Xunda coating
- Providing uniformly smooth
- Compatible with Xunda T100,T300,
T400,T500,T600,T700 coating system

System Properties >

Properties	P19	P27
Solid content	19%	27%
Density	0.77Kg/liter	0.87 Kg/liter
Viscosity+23°C (out flow time,4mm nozzle)	30±5 Sec	40±5 Sec
Flash point	12°C	12°C
Drying time	5-10	5-10
Color	Black	Black
Application temperature	5°C--50°C	
Maximum temperature	-30°C--80°C	
Liters Per Drum	3.8 L/drum, 18.9 L/drum、 200 L/drum	

note: 1.Store away from heat and use away from fire, spark, flames.

2. Read all label instruction prior to use .

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XUNDA Tape

Wrapping Machine



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XUNDA

System Description >

The XUNDA tape wrapping machines are designed for improving the tape wrapping application performance.

It includes a automatic tape wrapping machine and a hand tape wrapping machine.

Machine Composition

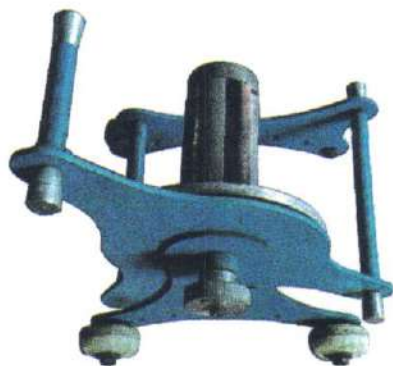
Automatic Tape Wrapping Machine

The automatic tape wrapping machine is designed for holding the pipe and rotating the pipe. You can wrap the tape by hand during the turning of the pipe or use the Xunda hand wrapping machine.

Range of machines available to wrap pipe diameters 400-3000mm.

Hand Tape Wrapping Machine

The hand tape wrapping machine is designed for wrapping the Xunda tape with constant tension and overlap. The machine relies on the tension on the tape to hold it in position during operation. Range of machines available to wrap pipe diameters 200-800mm. Range machines available to wrap of the tape width 50mm-300mm.





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XUNDA HSS

Heat Shrink Coating System

System Description

The pipeline heat shrink coating system designed for corrosion protection of straight pipes, fittings, bends, elbows and other irregular configurations. It consists low pre-heat modified bitumen sealant adhesive and thick-wall irradiated cross linked polyolefin. When heated the backing layer shrinks and the adhesive flows and forms a reliable corrosion protection seal onto metal and adjacent coating surfaces. It consists of:

Heat Shrink Tape

It installed by wrapping the tape on the pipe joints ,fittings ,bends ,elbows etc .After the shrinking of the tape ,the closure patch should be installed onto the overlap of the tape.

Heat Shrink Sleeve

It installed by sliding the coat from a free end of the pipes, fittings ,bends ,elbows etc onto the area be coated.

Epoxy Primer

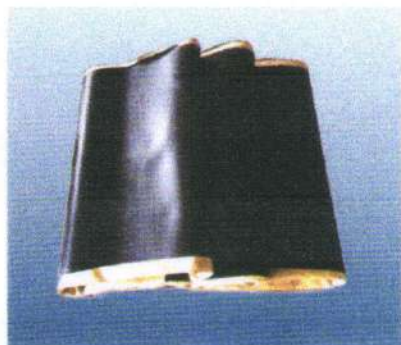
It is a specially formulated 100% volume solid (solvent less) high temperature two component epoxy.

Repair Patch

It is designed for sealing damaged heat shrink coatings.

Product Features

- Excellent resistance to cathodic disbondment.
- Long term corrosion protection.
- Non hardening and non cracking.
- Fast application and high performance.
- Excellent chemical resistance
- Excellent resistance to shear forces
- Mechanical protection and moisture resistance.



Leader in corrosion protection and waterproofing

XUNDA HSS

Heat Shrink Coating System



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XUNDA**

Product Properties

Backing		
Property	Typical Value	Test Method
Tensile Strength	20MPa (2900 psi)	ASTM D-638
Elongation at Break	550%	ASTM D-638
Specific Gravity	0.95	ASTM D-792
Hardness, Shore D	48	ASTM D-2240
Dielectric Strength	20 kv/mm	ASTM D-149
Water Absorption	0.05%	ASTM D-570
Shrink Force	240KPA(35 psi)	ASTM D-638
Volume Resistivity	1.0×10^{16} ohm.cm	ASTM D-257
Adhesive		
Property	Typical Value	Test Method
Softening Point	85°C	ASTM E-28
Lap Shear	40 psi	ASTM D-1002
Heat shrinkable Tape		
Property	Typical Value	Test Method
Peel to Steel	35N/cm	ASTM D-4541
Low Temperature Flexibility	-20°C	ASTM D-2671
Cathodic Disbondment	10mm radius	ASTM G8,30days,@23°C
Impact Resistance	Pass	DIN EN 12068
Indentation Resistance	Pass	DIN EN 12068
Dielectric Breakdown	35kv	ASTM D-149
Tape Thickness	2.0mm、2.2mm、2.5mm、2.9mm or others	
Tape Width	450mm、600mm、900mm or others	

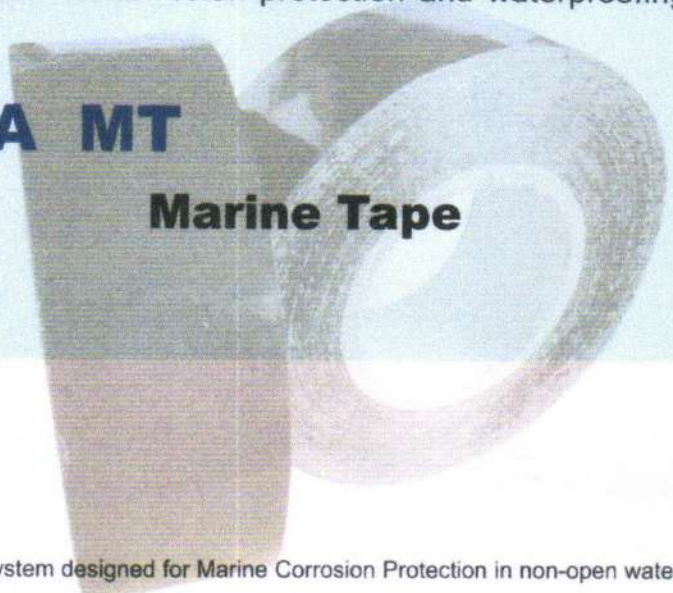
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XUNDA MT

Marine Tape



System Description >

The Xunda marine tape is cold applied tape coating system designed for Marine Corrosion Protection in non-open water situations. For example Harbor Situation, Bay or similar.

It is suitable for polyurethane infill and marine mastic infill. It allows application without primer.

System Features >

- Good conformability and consistent uniform thickness.
- Easily applied with no special equipment.
- Excellent resistance to cathodic disbondment.
- Excellent resistance salt ,acid, alkali and microorganism
- Excellent resistance abrasion, impact, hydrostatic pressure.



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XUNDA MT

Marine Tape



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System Properties >

MT100	
Tape thickness	1.0mm or others
Width	50mm, 100mm, 150mm, 225mm or others
Length	10m, 30m or others

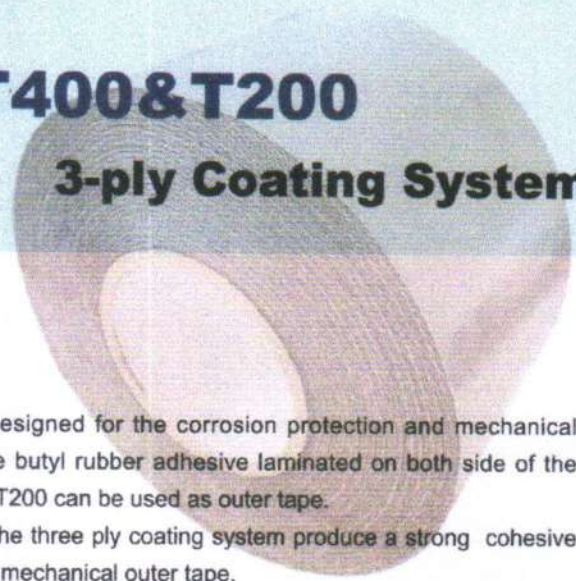
Property	Test Method	Standard
Thickness	ASTM D1000	1.0mm
Adhesion to Self (18°C)	ASTM D1000	2.52 N/mm
Tensile Strength	ASTMD1000	>5kg/ m ²
Elongation	ASTM D638	>300%
Impact Resistance	ASTM G13	>24 Drops(2 layers)
Application Temperature (tested up to +55°C)		Pass
Service Temperature (tested up to +85°C)		Pass



Leader in corrosion protection and waterproofing

XUNDA T400&T200

3-ply Coating System

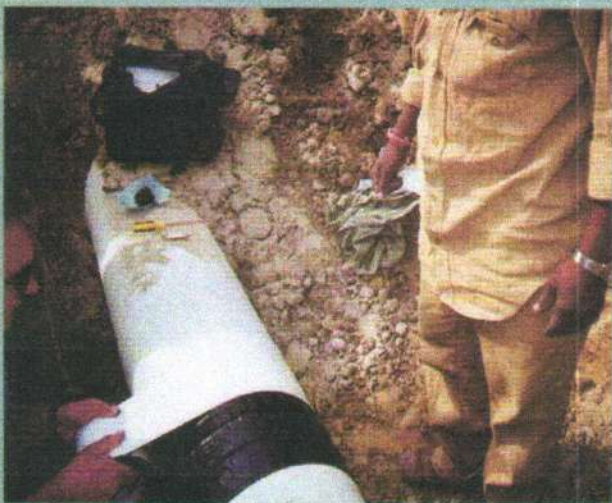


System Description

The Xunda T400 and T200 is a multilayer coating system designed for the corrosion protection and mechanical protection of pipelines. The T400 consists of three layers, the butyl rubber adhesive laminated on both side of the polyethylene film backing. The T400 can be used as inner tape, T200 can be used as outer tape.

Xunda liquid adhesive can be used as primer for this system. The three ply coating system produce a strong cohesive bond to the primed steel surface, at the spiral overlap and to the mechanical outer tape.

The system can be applied by hand or with a wrapping machine.



System Features

- Forming a sleeve type coating.
- Resistant to soil stress
- Cold applied without special equipment.
- Excellent adhesion to primed pipe and itself.
- Can be applied over a wide temperature range.
- Good conformability and consistent uniform thickness
- Compatible with common pipe coatings.
- Excellent resistance to cathodic disbondment.
- Long term in-ground performance.
- Meets ASTM D 1000、EN 12068、DIN30672 and other international standards.

System Properties

	Anti-corrosion Tape T400			Mechanical Protection Tape T200				
	T480	T4100	T4110	T238	T250	T264	T276	
Backing	0.25mm	0.30mm	0.30mm	0.25mm	0.38mm	0.50mm	0.64mm	
Adhesive	Internal	0.36mm	0.55mm	0.65mm	0.13mm	0.12mm	0.14mm	0.12mm
	External	0.15mm	0.15mm	0.15mm				
Tape thickness	0.76mm、1.00mm、1.10mm			0.38mm、0.508mm、0.635mm、0.762mm				
Width	50mm、100mm、150mm			50mm、100mm、150mm、225mm				
Length	10m、20m、30m or others			30m、60m、120m、180m				
Color	Black ,Grey			Black , Yellow ,White				

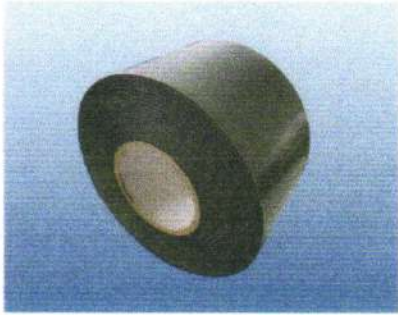
Leader in corrosion protection and waterproofing



XUNDA T400&T200

3-ply Coating System

迅大防腐
XUNDA



Product properties	Test method	Typical Value	Typical Vale
		T480	T250
Tensile Strength	ASTM D1000	50N/cm	70N/cm
Elongation	ASTM D1000	>200%	>400%
System Properties : T480+T250			
Peel Adhesion to Primed Steel	EN 12068	20N/cm	
Peel Adhesion Inner to Inner	EN 12068	20 N/cm	
Peel Adhesion Outer to Inner	EN 12068	20N/cm	
Peel Adhesion Outer to Outer	EN 12068	5N/cm	
Cathodic Disbondment	EN 12068	6.4 mm radius	
Specific Electric Resistance	EN 12068	2.5 X 10 ¹⁵ ohm·m ²	
Water Absorptivity	ASTM D570	0.02%	
Dielectric Strength	ASTM D149	40kV	
Impact Resistance	EN 12068	>15 J	
Temperature Range For Application		5°C -50°C	
For Service		-30°C - 85°C	



Leader in corrosion protection and waterproofing

XUNDA T300

Joint & Repair Coating System

for new pipelines and existing pipeline rehabilitation

—No Release Paper

System Description

The Xunda joint tape T-300 is cold applied coating system designed for the corrosion protection of oil , gas ,water new pipelines and existing pipeline rehabilitation and field joints, fittings, and specialty piping. It is suitable to protect longitudinal and spiral weld pipe welds. It consists of two layers, the butyl rubber adhesive laminated on the polyethylene film backing.

Xunda liquid adhesive can be used as primer for this system. The system can be applied by hand or with a wrapping machine.



System Features

- Cold applied without special equipment.
- Resistant to soil stress
- Excellent adhesion to primed pipe and itself.
- Can be applied over a wide temperature range.
- Good conformability and consistent uniform thickness.
- Compatible with common pipe coatings.
- Excellent resistance to cathodic disbondment.
- Long term in-ground performance
- Meets ASTM D 1000、EN 12068、AWWA C214、C209、DIN30672 and other international standards

System Properties

	T350	T364	T376	T389
Backing	0.25mm	0.32mm	0.38mm	0.45mm
Adhesive	0.25mm	0.32mm	0.38mm	0.44mm
Tape thickness	0.51mm、0.635mm、0.762mm、0.89mm or others			
Width	50mm、100mm、150mm、225mm or others			
Length	10m、30m、60m or others			
Color	Black、Yellow、White or others			

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XUNDA T300

Joint & Repair Coating System

迅大防腐
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for new pipelines and existing pipeline rehabilitation
——No Release Paper



System Properties:T389

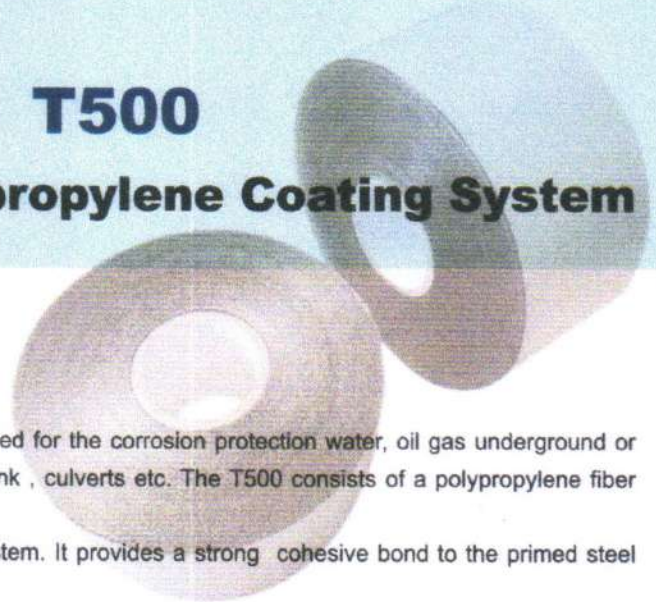
Product properties	Test method	Typical Vale
Tensile Strength	ASTM D1000	70N/cm
Elongation	ASTM D1000	340%
Peel Adhesion to Primed Steel	ASTM D1000	30N/cm
Cathodic Disbondment	ASTM G8	6.4mm
Water Vapor Transmission Rate	ASTM F1249	0.2g/m ²
Water Absorptivity	ASTM D570	0.02%
Volume Resistivity	ASTM D257	1.5 X 10 ¹⁵ ohm·cm
Dielectric Strength	ASTM D149	35 kV
Impact Resistance	EN12068	>8J
Temperature Range For Application For Service		5°C -50°C -30°C - 85°C



Leader in corrosion protection and waterproofing

XUNDA T500

Polypropylene Coating System



System Description

The Xunda T500 is a cold applied coating system designed for the corrosion protection water, oil gas underground or aboveground pipelines and waterproofing for the roof, tank, culverts etc. The T500 consists of a polypropylene fiber woven backing laminated with rubberized bitumen.

Xunda liquid adhesive can be used as primer for this system. It provides a strong cohesive bond to the primed steel surface.

The system can be applied by hand or with a wrapping machine.



System Features

- Non shielding coating.
- Excellent resistance to UV.
- Excellent resistance to soil stress
- Excellent resistance to vapor transmission.
- Excellent resistance to cathodic disbondment.
- Good conformability and consistent uniform thickness.
- Waterproof for the basement, bridges, roof etc.
- Meets ASTM D 1000 and other international standards

System Properties

	T5100	T5127	T5150	T5165
Backing	0.30mm	0.30mm	0.30mm	0.30mm
Adhesive	0.70mm	0.97mm	1.20mm	1.35mm
Tape thickness	1.00mm, 1.27mm, 1.50mm, 1.65mm or others			
Width	50mm, 100mm, 150mm, 225mm or others			
Length	10m, 30m, 60m or others			

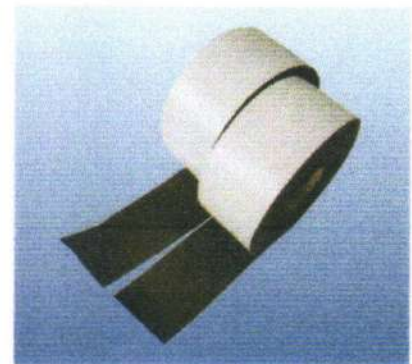
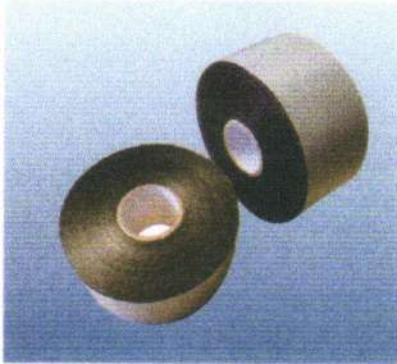
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XUNDA T500

Polypropylene Coating System

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System Properties:T5127

Product Properties	Test Method	Typical Value
		T5127
Tensile Strength	ASTM D4632	200N/cm
Elongation at break	ASTM D1000	70%
Peel Strength to primed steel	ASTM D1000	35 N/cm
Cathodic Disbondment	ASTM G8	6.4 mm
Water Absorptivity	ASTM D570	0.02%
Volume Resistivity	ASTM D257	1.5×10^{15} ohm·cm
Water Vapor Transmission Rate	ASTM F1249	0.5g/m ²
Dielectric Strength	ASTM D149	12 KV
Temperature Range For Application For Service		5°C -50°C -30°C - 85°C

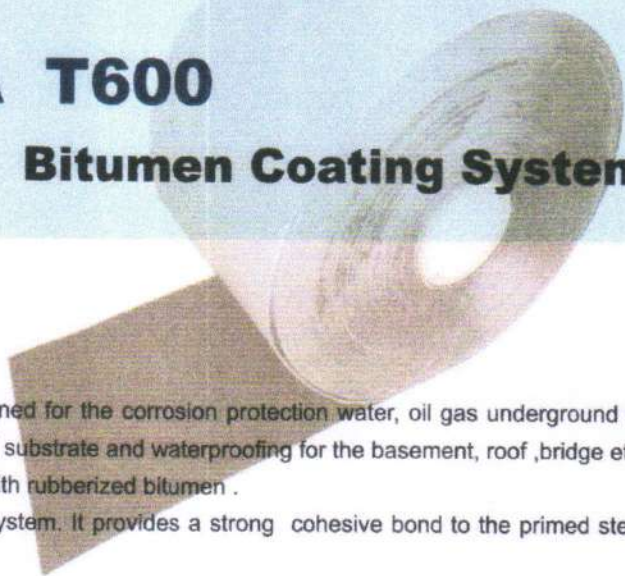


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XUNDA T600

Bitumen Coating System



System Description >

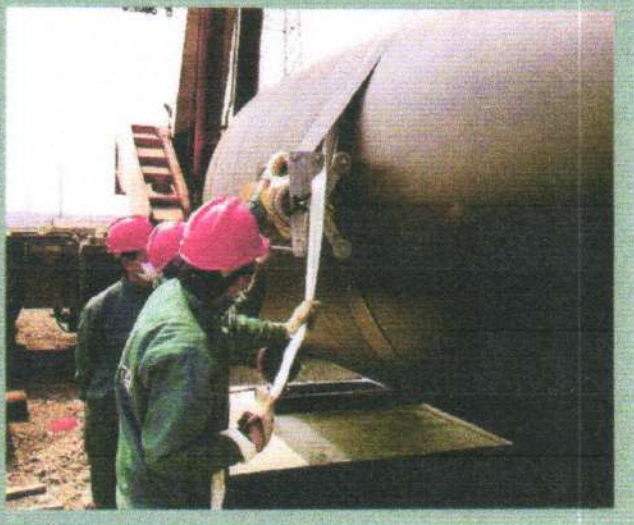
The Xunda T600 is a cold applied coating system designed for the corrosion protection water, oil gas underground or aboveground pipelines ,electrolysis on below grade metal substrate and waterproofing for the basement, roof ,bridge etc. The T600 consists of a polyethylene backing laminated with rubberized bitumen .

Xunda liquid adhesive can be used as primers for this system. It provides a strong cohesive bond to the primed steel surface.

The system can be applied by hand or with a wrapping machine.

System Features >

- Excellent resistance to soil stress
- Excellent resistance to vapor transmission.
- Excellent resistance to cathodic disbondment.
- Good conformability and consistent uniform thickness.
- Waterproof for the basement, bridges ,roof etc.
- Compatible with substrate of steel, ductile iron, FBE,PE, Plastic Pipe
- Waterproof for the basement, bridges ,roof etc.
- Meets ASTM D 1000 、 EN 12068 and other international standard.



System Properties >

	T6100	T6127	T6150	T6165
Backing	0.30mm	0.45mm	0.60mm	0.75mm
Adhesive	0.70mm	0.82mm	0.9mm	0.9mm
Tape thickness	1.00mm、 1.27mm、 1.50mm、 1.65mm or others			
Width	50mm, 100mm,150mm,225mm or others			
Length	10m、 30m、 60m or others			

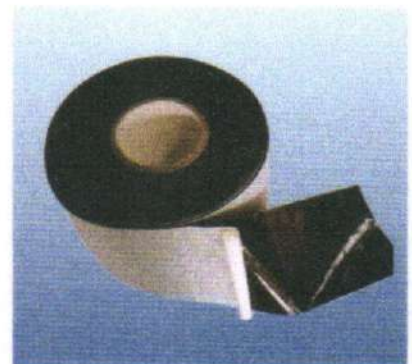
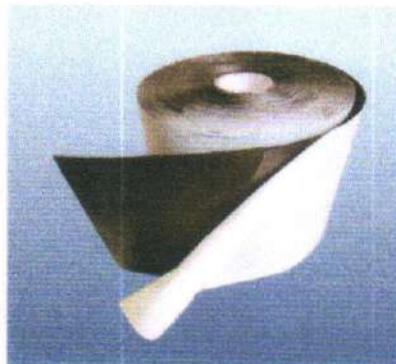
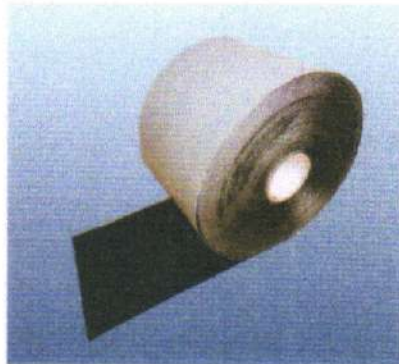
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XUNDA T600

Bitumen Coating System

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XUNDA



System Properties:T6165

Product Properties	Test Method	Typical Value
		T6165
Tensile Strength	ASTM D1000	100N/cm
Elongation at break	ASTM D1000	400%
Adhesion to primed steel	ASTM D1000	35N/cm
Adhesion to Self	ASTM D1000	27N/cm
Cathodic Disbondment	ASTM G8	6.4mm
Water Vapor Transmission Rate	ASTM F1249	0.2g/m ²
Water Absorption	ASTM D570	0.02%
Dielectric Strength	ASTM D149	40 KV
Impact Resistance	ASTM G13	15 J
Temperature Range For Application For Service		5°C -50°C -30°C - 85°C



Leader in corrosion protection and waterproofing

XUNDA T700

Aluminum Coating System

System Description

The Xunda T700 is a cold applied coating system designed for the corrosion protection water, oil gas underground or aboveground pipelines, protecting insulation coatings ,UV resistance and waterproofing for the windows, roofs ,wall and other building joints. The T700 consists of a aluminum foil or aluminum-polyester backing laminated with rubberized bitumen or butyl rubber .

The system can be applied by hand or with a wrapping machine.

System Features

- Excellent resistance to UV.
- Excellent sealing performance
- Excellent resistance to vapor transmission.
- Excellent resistance to cathodic disbondment.
- Good conformability and consistent uniform thickness.
- Waterproof for roofs, walls ,and other building joints...
- Compatible with substrate of steel, concrete, brick slate, rigid plastics

System Properties

	Aluminum Foil Backing Film				Aluminum-Polyester Backing Film			
	T780	T7100	T7120	T7150	T780	T7100	T7120	T7150
Tape thickness	0.8mm、 1.0mm、 1.20mm、 1.50mm or others							
Width	50mm、 100mm、 150mm、 225mm or others							
Length	10m、 30m、 60m or others							
Color	Sliver 、 Green 、 Black、 Blue、 Deep Red							



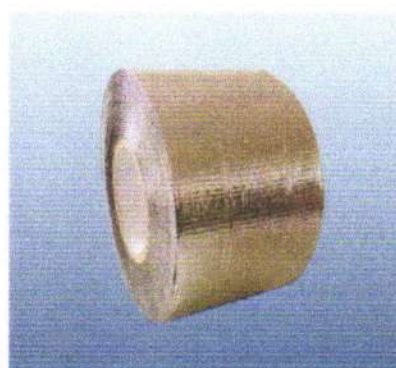
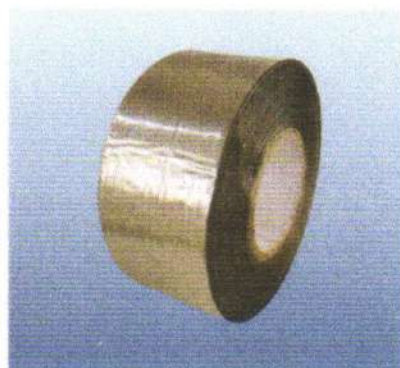
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XUNDA T700

Aluminum Coating System

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XUNDA



System Properties: Aluminum-Polyester Backing Film T7150

Product Properties	Typical Value
	T7165
Breaking Strength	>50N /cm
Adhesion Strength	>30 N/cm
Adhesion to	Metal , Concrete, Brick, Slate, Tile, Painted Wood, and Rigid Plastics
Drop Down at 85°C	No dripping
Flexibility at -20°C	Excellent
UV Resistant	Excellent
Water Vapor Transmission Rate	0.2g/m ²
Temperature Range For Application For Service	5°C -50°C -30°C - 85°C



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XUNDA T800

Visco-elastic Coating System

System Description

The visco-elastic coating system is designed for corrosion protection of onshore and offshore pipeline, flanges, valves etc, it consists of visco-elastic tape, visco-elastic paste and outerwrap.

Visco-Elastic Tape

The visco-elastic tape is a non cure, cold applied corrosion prevention wrap adhering extremely well to the plant coating PE, PP, FBE and irregular equipment such as flanges, valves, pipe fittings, rings, manhole etc

Visco-elastic tape can cold flow into all irregularities of the substrate and self healing of the complete coating system.

Visco-Elastic Paste

Visco-elastic paste is a cold flow, self healing elastic paste for corrosion preventing and adhering extremely well to steel and factory applied pipeline coatings like PE, PP and FBE.

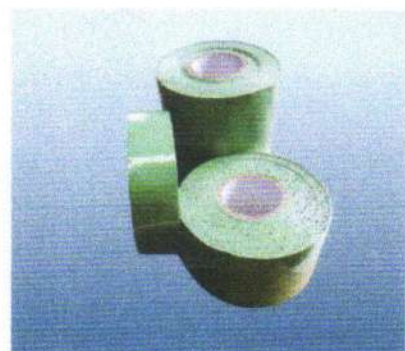
Visco-elastic paste can flow into all irregularities of the substrate at operating temperature. The compound does not cure and resistance to water and has a very low gas and water vapour permeability.

Outer tape

Visco-elastic coating system requires mechanical protective layer like Xunda Outer tape. This improve impact and indentation resistance of the coating system and supports the self healing ability of small damages like dent and cuts.

Product Features

- Primer free
- Constant film thickness
- Conforms to irregular shapes
- Inert to ageing and weathering
- It can be self repair for light defects
- Resistance to low temperatures without getting brittle
- 100% coverage rate, it is completely waterproof and anti corrosion.
- Environmentally friendly, no health and safety hazard to humans
- Resistant to many chemicals like water, salts, acids, alkalis, polar solvents etc



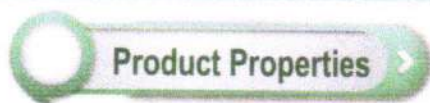
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XUNDA T800

Visco-elastic Coating System

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Item	Test method	Performance
Color		Green、 Blue
Thickness	ASTM D1000	≥1.8mm
Peel Strength to steel(23°C)	ASTM D1000	≥5N/cm
Coverage Rate		≥95%
Peel Strength to PE(23°C)	ASTM D1000	≥5N/cm
Coverage Rate		≥95%
Peel Strength to Steel(-45°C)	ASTM D1000	≥5N/cm
Coverage Rate		≥95%
Shear Strength to Steel (23°C)	EN 12068	≥0.02MPa
Coverage Rate		≥95%
Shear Strength to Steel (-45°C)	EN 12068	≥0.02MPa
Coverage Rate		≥95%
Specific Insulation Resistance	EN 12068	≥10 ⁸ Ω.m ²
Dielectric strength	DIN 53481	≥10kv/mm
Water Absorption	ASTM D 570	< 0.03%
Cathodic Disbandment	EN 12068	≤20 mm-rad
Drip Resistance @85 °C for 72 hours		No dripping
Heat aging (100d, 90°C)		Coverage Rate≥99%
Chemical Resistance (90d ,10% HCL)		No Change
Chemical Resistance (90d , 10%NaOH)		No Change
Chemical Resistance (90D, 3%NaCL)		No Change
Hot water immersion @60°C for 120 days		No Change
Operational Temperature Range		-45°C~80°C



Leader in corrosion protection and waterproofing

XUNDA T900

Petrolatum Coating System

System Description

The petrolatum coating system is designed for corrosion protection of buried or exposed or marine pipes rods, cables, valves and metal fittings, tanks. it consist of petrolatum tape, petrolatum mastic, petrolatum primer, outer tape.

Petrolatum Tape

Petrolatum tape is a non-hardening and non-cracking corrosion protection wrap . It is highly resistant to mineral acids, alkalis, salts and micro-organisms and highly impermeable to water vapor and gases. Used for the protection of buried or exposed pipes, rods, cable, valves and metal fittings from corrosion.

It is composed of a non woven fibre fabric coated with a neutral compound based on saturated petrolatum and inert siliceous fillers.

Petrolatum Primer

Petrolatum primer is a tacky adhesive primer for use with petrolatum tape .High melting point petrolatum in hydrocarbon solvent . Petrolatum primer is a semi solid paste for brush application.

Petrolatum Mastic

Petrolatum mastic is a cold applied mastic for sealing and filling the pipeline valve 、 flange etc.

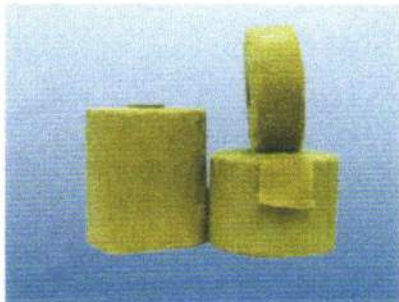
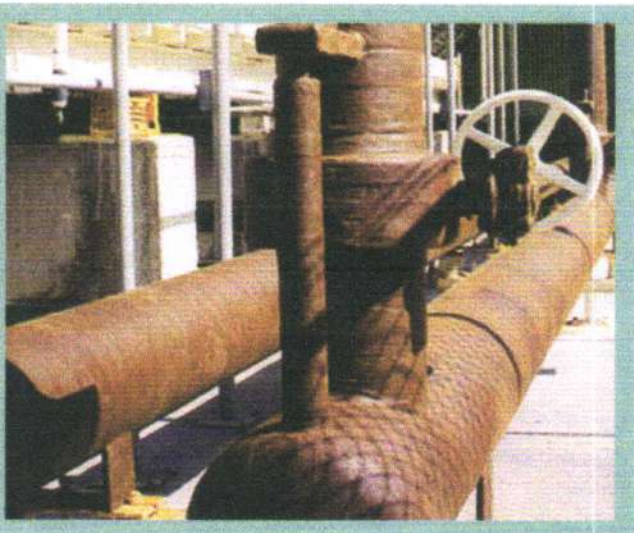
It suitable for application in a wide range of climatic conditions. It is used for moulding around irregular profiles such as flange 、 valve、 joint to provide a contour that suitable for wrapping the petrolatum tape. It contains inert siliceous fillers and vegetable fibres.

Outer Tape

The outer tape is designed for protection of petrolatum tape, it should applied after petrolatum tape.

Product Features

- UV resistance
- Suitable to irregular shapes and profiles
- It can be applied to cold ,wet surfaces.
- It can be applied above and below ground.
- Excellent resistance water, acid, salts or soil organics



Leader in corrosion protection and waterproofing



XUNDA T900

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Petrolatum Coating System



Petrolatum tape

Property	Typical Value
Tensile Strength	> 40N/cm
Elongation	15%
Breakdown Voltage(55% overlap)	> 18KV
Chemical Resistance (7days ,10% Hydrochloric Acid)	Excellent
Chemical Resistance (7days ,20% Sodium Chloride)	Excellent
Chemical Resistance (7days ,10% Potassium Chloride)	Excellent
Color	Brown、 Light Yellow
Thickness	1.2mm
Width	50mm,100mm,150mm
Length	10m
Weight	1.5kg/m ²
Temperature Range	-30°C - 70 °C
Application	-5 °C- 45 °C
Service	

Petrolatum Mastic

Property	Typical Value
Color	Green , Brown
Specific Gravity	1.40
Specific Volume	720cm ³ /cm
Flashing Point	> 180°C
Temperature Range	0°C - 55°C
For Application	
For service	90°C -120°C

Petrolatum Primer

Property	Typical Value
Specific Gravity	0.98
Flash Point	≥35°C
Covering Capacity	5m ² / liter
Wet Film Thickness	230 micron
Dry Film Thickness	160micron
Dry Time	60 minutes
Temperature Range	-5°C -50°C
For Application	
For Service	70°C maximum



XUNda

Pipe Coating Materials

Jining Xunda Pipe Coating Materials Co.,Ltd
Ershilipu Industrial Park, Jining ,Shandong, China