



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.

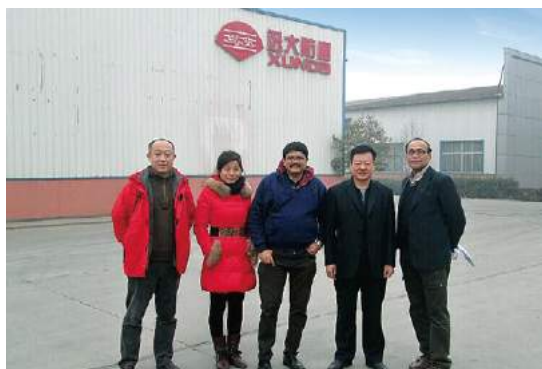
Philosophy:

Your needs , our pursuit .

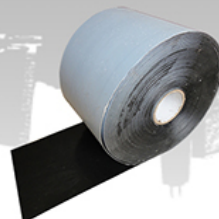
Mission and Vision:

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

[illegible]



DVGW DEUTSCHE VEREINIGUNG
VON GAS- UND WASSERFACHMÄNNERN

DVGW-Forschungsstelle
am Engler-Bunte-Institut
des Karlsruher Instituts
für Technologie **KIT**

07. Juli 2011
110/Bu-34
Sachbearbeiter: Budde
AZ: 10/323/1180/1
Antraggeber: 10-0249-H
Deutsche Version

B E R I C H T

über die Saugversuchsprüfung
der Korrosionsschutzumhüllung
"XIMDA-T240/XUMDA-T240"

nach DIN EN 12065 "Kathodischer Korrosionsschutz – Organische
Umhüllungen für den Korrosionsschutz von in Böden und Wässern
verlegten Stahlrohrleitungen in Zusammenhang mit kathodischem
Korrosionsschutz – Bänder und schrumpfende Materialien" (März
1999)

Auftraggeber:
Jining Xunda Pipe Coating
Materials Co., Ltd.
Brahilipu Industry Park,
Rencheng District, 272100
Jining, Shangdong, P.R. China



Dakks
DACHAUER
ANSTALT FÜR
KONFORMITÄTSPRÜFUNG
DIN EN ISO 9001

(Dieser Bericht umfasst 4 Seiten und 4 Anlagen)



in Genehmigung des DVGW
anlässlich Versuchs nach
DIN EN 12065 durch
den Sachverständigen
Herrn

Antraggeber:
Engler-Bunte-Ring 17
D-76189 Karlsruhe

<http://www.dvgw.de>

Stellen-Nachrichtengenerators Bericht-Nachrichte
St.Nr. 62/2011/1
St.Nr.: 100/025/28
St. 104/0267
St.Nr. 104/1002/117 FACH 03/08

St.Nr. 62/2011/1
St.Nr.: 100/025/28
St. 104/0267
St.Nr. 104/1002/117 FACH 03/08

Tel#:	F + 86 21 6045 8111		
Fax#:	F + 86 21 6045 8101		
E-mail:	E: shanghai@xvco.com		
Website:	W: www.xvco.com.cn		
USA:			
UK:			
Other:			

Testing Duration Assuring:

TEST REPORT

Jining Xunda Pipe Coating Materials Co., Ltd. Binhuiyuan Industry Park, Rencheng District Jining, Shandong, China	Date: June 12, 2012 LAB NO.: SUBJECT: 156600F 1-1345-00131Rv1
Attention: Celia Shi	PAYMENT: Wire Transfer

DESCRIPTION OF SAMPLE

Two (2) samples identified as: Jining XUNDA Pipe Coating Materials

- 1) Outer-layer Tape T=150 ± 20 μm
- 2) Outer-layer Tape T=175 ± 30 μm

Ten (10) steel panels
Primer

WORK REQUESTED

Testing for American NORM VIBROS ASSOCIATION ANGLE & WNA & CP14-07 for:

TABLE 2 - INNER LAYER TAPE

1)	3.3.1	Width
2)	3.3.2	Thickness
3)	3.3.3	Adhesion to Steel per ASTM D1000 with 24 hour dwell time
4)	3.3.4	Water Absorption per ASTM D573 – Modified for Tape
5)	3.3.5	Water Vapor Transmission per ASTM E96, Method B (Subcontracted)
6)	3.3.5 & 9	Tensile Strength & Elongation per ASTM D1000
7)	3.3.12	Nonporosity Material Content per ASTM D4218

TABLE 3 - OUTER LAYER TAPE

8)	3.3.1	Width
9)	3.3.2	Thickness
10)	3.3.3	Adhesion to Inner Layer Tape per ASTM D1000 with 24 hour dwell time
11)	3.3.5 & 9	Tensile Strength & Elongation per ASTM D1000
12)	3.3.12	Nonporosity Material Content per ASTM D4218

TABLE 4 - TOTAL SYSTEM

13)	3.3.1	Thickness
14)	3.3.10	Impact Resistance per ASTM G14 (Subcontracted to Exova Houston)
15)	3.3.11	Perforations Deformation Resistance per ASTM G17 (Subcontracted Exova Houston)

Zhejiang	Report No 1566
Date: 06/12	Page 1 of 9

THE RESULTS PRESENTED ABOVE RELATE ONLY TO THE ITEMS SUBMITTED FOR TESTING.
 THIS DOCUMENT IS NOT VALID UNLESS IT IS REPRODUCED EXACTLY AS IT IS, WITHOUT THE APPROVAL OF THE LABORATORY.
 XINBAI CHINA

Certificate of Approval
 Certificate No.: 1011-QU524263IN
Awarded to
Jining Xunda anticorrosion of pipeline materials Co., Ltd.

Organization Add.: Hu Yang Cui Shan Li, Jin Zhen Road Cheng De Sheng City, Shandong Province, 272855
 Office Add.: Industrial Park Nian Li, Lu Zhou Road Dongying District, Dongying City, Shandong Province, 257261
 Production Add.: Industrial Park Nian Li, Lu Zhou Road Dongying District, Dongying City, Shandong Province, 257261

Registration Certificate Number: 1011-QU524263IN
 Validity Period: 2015-10-30 to 2016-10-30

Beijing Zhong'an Tian-Kuan Certification Center (ZLTR) certify that the
Quality Management System of the above organization has been examined and found to be
in accordance with the requirements of the standard:
ISO9001:2008

SCOPE OF CERTIFICATION/REGISTRATION
Processing and sales pipeline anticorrosion tape

Subject to specific conditions in requirements conforming to what Quality Management System. This Certificate is valid for a period of three years only.

Date from: Oct 16th, 2014 To Oct 16th, 2017

The effectiveness of this Certificate shall be validated by periodic surveillance audit of ZLTR for maintenance. This Certificate will be in force unless qualified identification is such there order by ZLTR within appropriate time limit.

INSPECTION DATE	STATUS	REMARKS
2015-10-30	Stock	
2016-06-06	Stock	

Integrity of the certificate can be based on the official website of Certification Body Accreditation Administration of the People's Republic of China or the official website of Beijing Zhong'an Tian-Kuan Certification Center (<http://www.zltr.com.cn/>)

China Inspection Body and Certification Institute

INTERNATIONAL ACCREDITED FORUM

Beijing Zhong'an Tian-Kuan Certification Center

Issue: 2005, 2400, 2503, 2600, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 2679, 2680, 2681, 2682, 2683, 2684, 2685, 2686, 2687, 2688, 2689, 2690, 2691, 2692, 2693, 2694, 2695, 2696, 2697, 2698, 2699, 2700, 2701, 2702, 2703, 2704, 2705, 2706, 2707, 2708, 2709, 2710, 2711, 2712, 2713, 2714, 2715, 2716, 2717, 2718, 2719, 2720, 2721, 2722, 2723, 2724, 2725, 2726, 2727, 2728, 2729, 2730, 2731, 2732, 2733, 2734, 2735, 2736, 2737, 2738, 2739, 2740, 2741, 2742, 2743, 2744, 2745, 2746, 2747, 2748, 2749, 2750, 2751, 2752, 2753, 2754, 2755, 2756, 2757, 2758, 2759, 2760, 2761, 2762, 2763, 2764, 2765, 2766, 2767, 2768, 2769, 2770, 2771, 2772, 2773, 2774, 2775, 2776, 2777, 2778, 2779, 2780, 2781, 2782, 2783, 2784, 2785, 2786, 2787, 2788, 2789, 2790, 2791, 2792, 2793, 2794, 2795, 2796, 2797, 2798, 2799, 2800, 2801, 2802, 2803, 2804, 2805, 2806, 2807, 2808, 2809, 2810, 2811, 2812, 2813, 2814, 2815, 2816, 2817, 2818, 2819, 2820, 2821, 2822, 2823, 2824, 2825, 2826, 2827, 2828, 2829, 2830, 2831, 2832, 2833, 2834, 2835, 2836, 2837, 2838, 2839, 2840, 2841, 2842, 2843, 2844, 2845, 2846, 2847, 2848, 2849, 2850, 2851, 2852, 2853, 2854, 2855, 2856, 2857, 2858, 2859, 2860, 2861, 2862, 2863, 2864, 2865, 2866, 2867, 2868, 2869, 2870, 2871, 2872, 2873, 2874, 2875, 2876, 2877, 2878, 2879, 2880, 2881, 2882, 2883, 2884, 2885, 2886, 2887, 2888, 2889, 2890, 2891, 2892, 2893, 2894, 2895, 2896, 2897, 2898, 2899, 2900, 2901, 2902, 2903, 2904, 2905, 2906, 2907, 2908, 2909, 2910, 2911, 2912, 2913, 2914, 2915, 2916, 2917, 2918, 2919, 2920, 2921, 2922, 2923, 2924, 2925, 2926, 2927, 2928, 2929, 2930, 2931, 2932, 2933, 2934, 2935, 2936, 2937, 2938, 2939, 2940, 2941, 2942, 2943, 2944, 2945, 2946, 2947, 2948, 2949, 2950, 2951, 2952, 2953, 2954, 2955, 2956, 2957, 2958, 2959, 2960, 2961, 2962, 2963, 2964, 2965, 2966, 2967, 2968, 2969, 2970, 2971, 2972, 2973, 2974, 2975, 2976, 2977, 2978, 2979, 2980, 2981, 2982, 2983, 2984, 2985, 2986, 2987, 2988, 2989, 2990, 2991, 2992, 2993, 2994, 2995, 2996, 2997, 2998, 2999, 3000, 3001, 3002, 3003, 3004, 3005, 3006, 3007, 3008, 3009, 3010, 3011, 3012, 3013, 3014, 3015, 3016, 3017, 3018, 3019, 3020, 3021, 3022, 3023, 3024, 3025, 3026, 3027, 3028, 3029, 3030, 3031, 3032, 3033, 3034, 3035, 3036, 3037, 3038, 3039, 3040, 3041, 3042, 3043, 3044, 3045, 3046, 3047, 3048, 3049, 3050, 3051, 3052, 3053, 3054, 3055, 3056, 3057, 3058, 3059, 3060, 3061, 3062, 3063, 3064, 3065, 3066, 3067, 3068, 3069, 3070, 3071, 3072, 3073, 3074, 3075, 3076, 3077, 3078, 3079, 3080, 3081, 3082, 3083, 3084, 3085, 3086, 3087, 3088, 3089, 3090, 3091, 3092, 3093, 3094, 3095, 3096, 3097, 3098, 3099, 3100, 3101, 3102, 3103, 31



Certificate of Occupational Health and Safety Management System

Certificate No.: 101451101800M

Awarded to

Jining Xunda Anticorrosion of pipeline materials Co., Ltd.

Registration Add: [The Yang Gao Road] (The Zhonghuanlianru Certification Center) [Shandong Province, 271000]
 Office Add: [Haining Road] (The Zhonghuanlianru Certification Center) [Shandong Province, 271000]
 Production Add: [Industrial Park Xian Li] (The Zhonghuanlianru Certification Center) [Shandong Province, 271000]

Beijing Zhonghuanlianru Certification Center (ZZT) certifies 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:
GB/T28001-2011 / OHSAS 18001:2007

SCOPE OF CERTIFICATION/REGISTRATION
 the occupational health and safety management activities to be used by Processing and sales pipeline anticorrosion tape.

Subject to operational conditions as requirements conforming with Occupational health and safety Management. Since This Certificate is valid for a period of three years only.

Date Period: Oct 10th, 2014 To Oct 9th, 2017

The effectiveness of this Certificate shall be Validated by periodic surveillance audit of 21.07% for maintenance. This Certificate will not be in force anymore
 in such case unless by ZZT's written appropriate time limit.

2015-10-06	Stock	2016-10-06	Stock
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Information of this certificate can be found on the official website of Certification agencies (Associations) (in the People's Republic of China) (<http://www.cqacw.com.cn>) and the official website of Beijing Zhonghuanlianru Certification Center (<http://www.zlzt.com.cn>)




MANAGEMENT SYSTEM
CNS 13015

Beijing Zhonghuanlianru Certification Center

Room 2421, 2022, 2463, 4th Floor, 2nd Unit, Block 1, No. 6 Wang, Qiyang Road, Changping District, Beijing, P.R. China 102212

Certificate of
Environment Management System
 Certificate No.: 1011402170000N
Awarded to
Jining Xunda anticorrosion of pipeline materials
Co., Ltd.
 Organization: Jinhua City Certificate No.: 3438734.9
 Registration Add: Via Ying Gao Street, No. 1, Jinhua City, Zhejiang Province, China (324100)
 Issued At: Industrial Park Street, No. 1, Jinhua City, Zhejiang Province, China (324100)
 Production Add: Industrial Park Street, No. 1, Jinhua City, Zhejiang Province, China (324100)
 Beijing Zhonglian Tianran Certification Center (ZLTCC) certifies 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 14001:2004
SCOPE OF CERTIFICATION/REGISTRATION
the environmental management activities involved by Processing and sales pipeline anticorrosion
tape
 Subject to operation conditions in accordance conformity with Environment Management System,
 This Certificate is valid for a period of three years only.
 Date Issues: Oct 10th, 2015 Date Exp: 08, 2017
 The effectiveness of this Certificate shall be validated by providing surveillance audit of
 ZLTCC for maintenance. This Certificate will not be in force unless qualified identification
 is made three times under by ZLTCC annual surveillance audit time.
 Date: 10-10-08 Scope: 08-10-10-08 Site: 10-10-08
 Information of its certificate can be found on the official website of Certification and Accreditation
 Administration of the People's Republic of China (http://www.cnca.gov.cn) and the official website of
 Beijing Zhonglian Tianran Certification Center (http://www.zltcc.com.cn)

ISO 14001

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 >

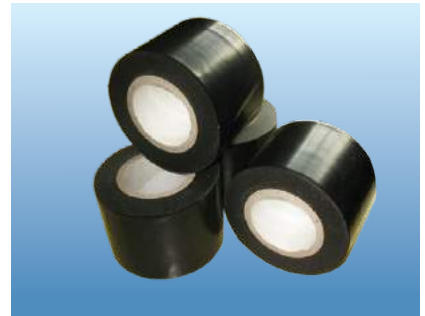
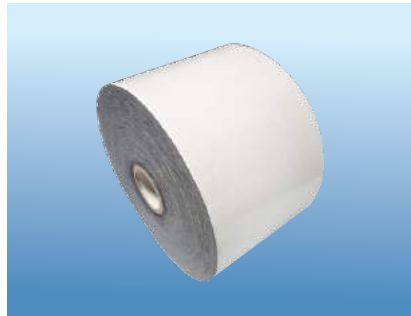
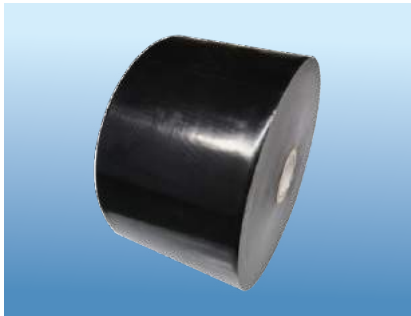
	Anti-corrosion Tape T100				Mechanical Protection Tape T200			
	T138	T150	T164	T176	T238	T250	T264	T276
Backing	0.23mm	0.25mm	0.25mm	0.35mm	0.25mm	0.38mm	0.50mm	0.64mm
Adhesive	0.15mm	0.25mm	0.39mm	0.41m	0.13mm	0.12mm	0.14mm	0.12mm
Tapethickness	0.38mm、 0.508mm、 0.635mm、 0.762mm or others							
Width	50mm、 100mm、 150mm、 225mm or others							
Length	30m、 60m、 120m、 180m or others							
Color	Black , Yellow ,White or others							



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XUNDA T100& T200

Pipeline Coating System



Product properties	Test method	Typical Value	Typical Vale
		T164	T264
Tensile Strength	ASTM D1000	52N/cm	70N/cm
Elongation	ASTM D1000	>200%	>400%

System Properties : T164+T264

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	2.5×10^{15} ohm·cm
Dielectric Strength	ASTM D149	20-23 kV
Impact Resistance	ASTM G-14	5.5J
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			



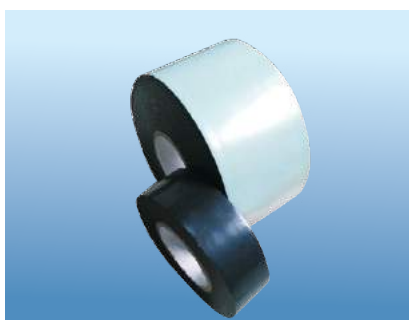
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XUNDA T300

Joint & Repair Coating System

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

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			

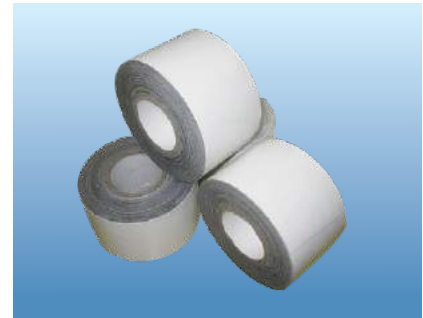
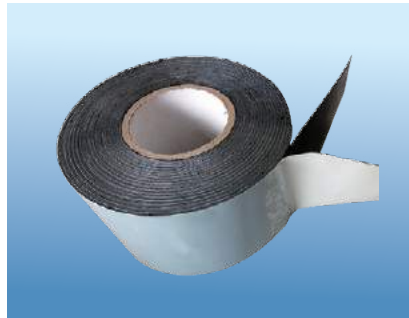
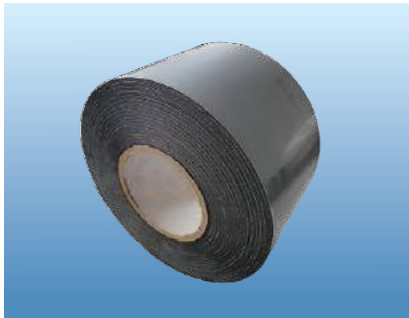
Leader in corrosion protection and waterproofing



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XUNDA T400&T200

3-ply Coating System



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	$2.5 \times 10^{15} \text{ ohm} \cdot \text{m}^2$	
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	

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			

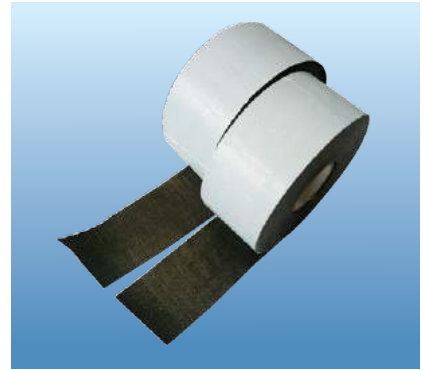
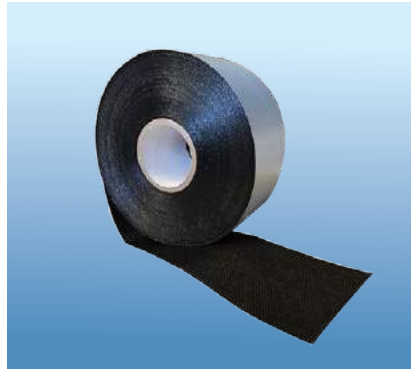
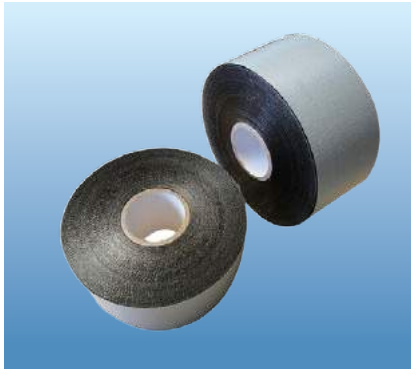
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XUNDA T500

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

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			

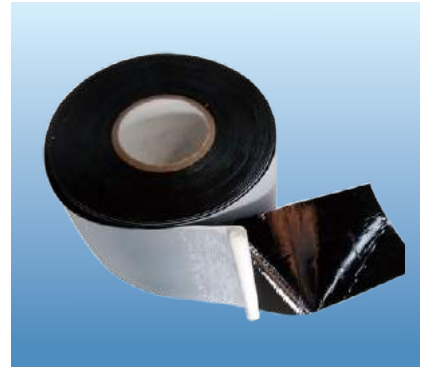
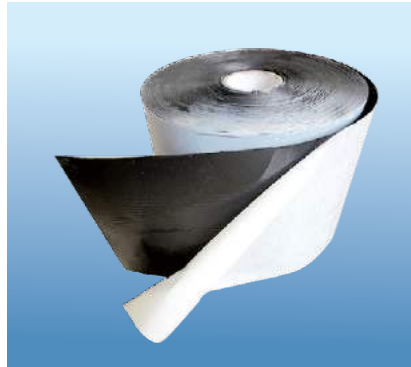
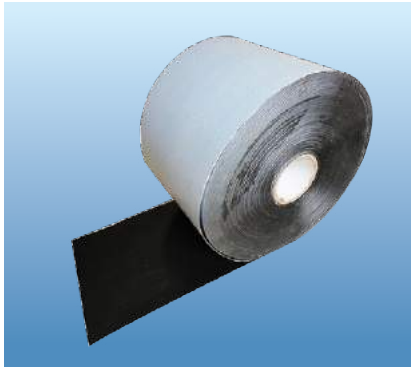
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XUNDA T600

Bitumen Coating System



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



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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 ickness	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							

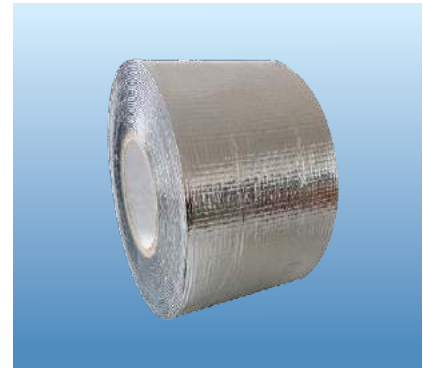
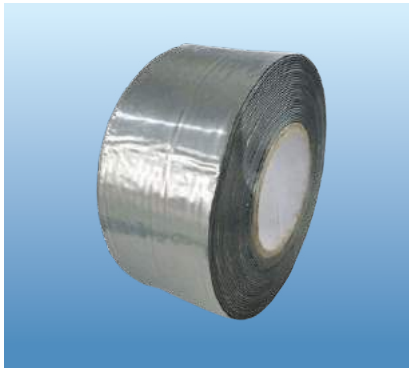
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XUNDA T700

Aluminum Coating System

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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.

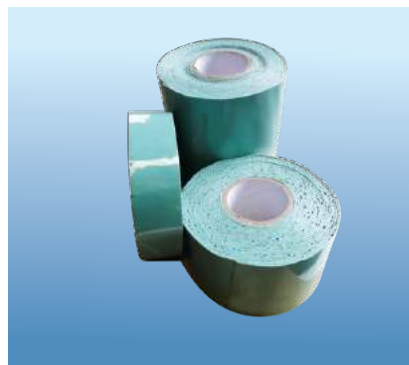
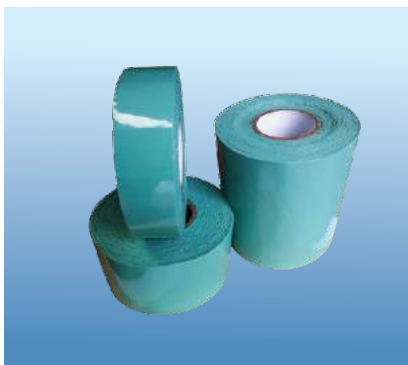
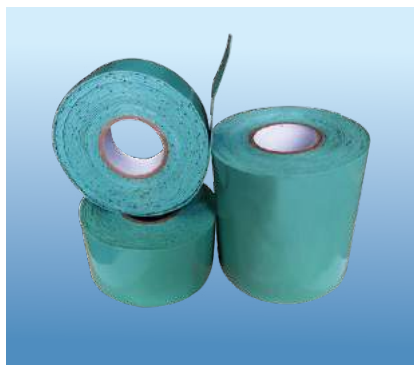
Visco-elastic paste can flow into all irregularities of the substrate at operating temperature. The compound does not cure and resistance to water and has a very low gas and water vapour permeability.

Outer tape

Visco-elastic coating system requires mechanical protective layer like Xunda Outer tape. This improves 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



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

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.

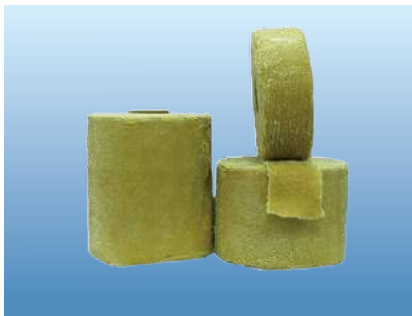
Outer Tape

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



XUNDA T900

Petrolatum Coating System



Product Properties

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

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

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.

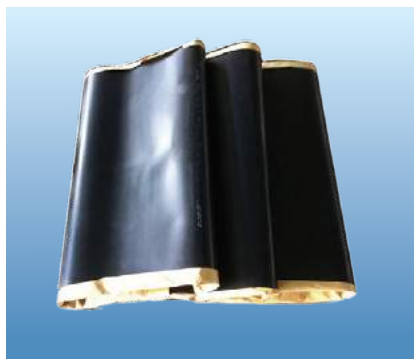
Repair Patch

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.





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	120 °C	ASTM E-28
Lap Shear	40 psi	ASTM D-1002
Heat shrinkable Tape		
Property	Typical Value	Test Method
Peel to Steel	120 N/cm	ASTM D-4541
Low Temperature Flexibility	-20 °C	ASTM D-2671
Cathodic Disbondment	7 mm	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 >

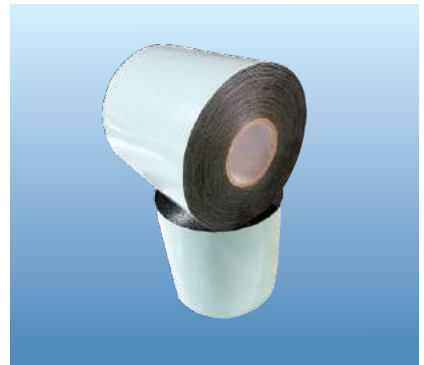
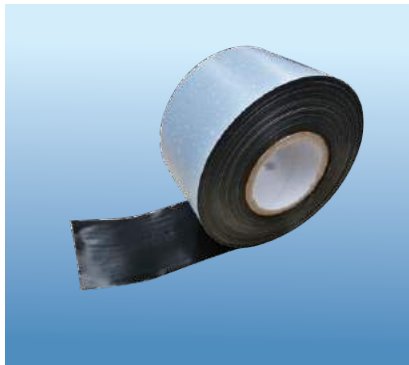
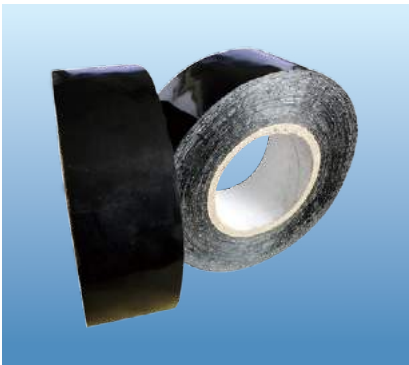
The Xunda marine tape is cold applied tape coating system designed for Marine Corrosion Protection in non-open water situations. For example Harbor Situation, Bay or similar.

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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	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



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XUNDA SCS

Soundproofing Coating System

System Description >

The Xunda soundproofing coating system is a self adhesive tape designed for eliminating the noise from the vehicles engine, tyres and general road noise , absorbing vehicle structural vibrations, converting them to low level heat ,corrosion protection and waterproofing. It consists of aluminum surface and butyl based visco elastic polymer active layer. It is very flexibility and can be installed to any where of the vehicle including under the bonnet.



Product Features >

- Non flammable
- Soft and easy to use
- Highly efficient vibration damping
- Highly efficient sound deadening.
- Highly efficient waterproofing
- Safe and environmentally friendly
- Excellent heat reflector and thermal insulator
- Military grade adhesive stays stuck even in extreme temperatures

Product Properties >

Product Properties	Test Method	Typical Value
Thickness	ASTMD1000	2mm
Aluminum Thickness	ASTMD1000	0.1mm
Tear strength	ASTMD1000	>2N/cm
Tensile Strength	ASTMD1000	>40N/cm
Adhesion	ASTM D1000	25N/cm
Water absorptivity	ASTM D257	0.05%
Heat Resistance (160°C 4h)		No flowing ,deformation
Low Temperature Flexibility (-40°C)		No Crack

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XUNDA BPS

Butyl Putty Coating System



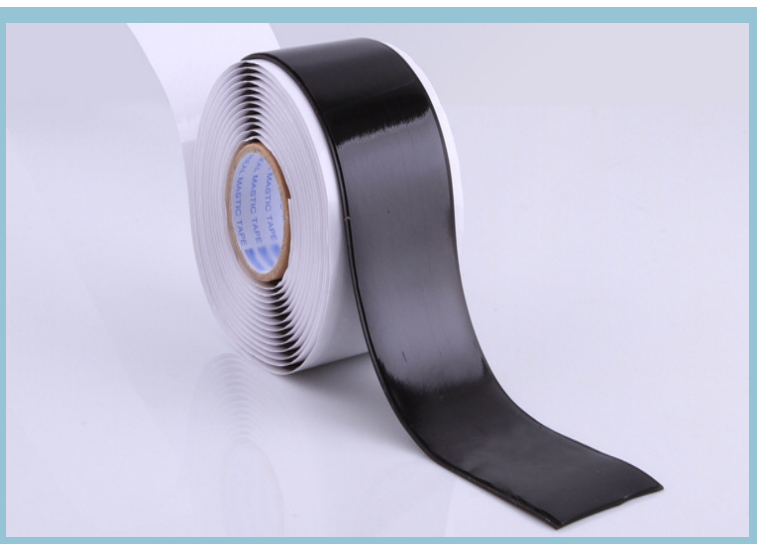
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System Description >

The butyl putty coating system is designed for the waterproofing and sealing . It consists of butyl putty tape and butyl mastic .

The butyl putty tape is no hardening, 100% solids butyl rubber sealant tape. It has an aggressive surface tack and high tensile strength. It no need of a primer. It is ideal for the joining and sealing together of a variety of other surfaces including polyethylene, polypropylene , PVC, Concrete, metal, glass, wood and cadwelds.

The butyl mastic is a synthetic resin, butyl rubber based mastic .It is designed for the joining the pre-cast concrete, sealing the window etc.



Product Features >

- Waterproof immediately upon installation.
- Excellent conformability and consistent uniform thickness.
- Conformable for easy applications over irregular surfaces
- Flexibility over a wide temperature range and under various conditions.

Product Properties >

Property	Test Method	Typical Value
Elongation	ASTM D1000	600%
Impact Resistance	En12068	8 J
Softening Point		≥100°C
Adhesion to concrete , steel		Excellent
Resistance to Acids ,Alkalis and Salts		Excellent
Resistance to Microbiological attack		Excellent
Temperature Range For Application For Service		-10°C-50°C -30°C-85°C

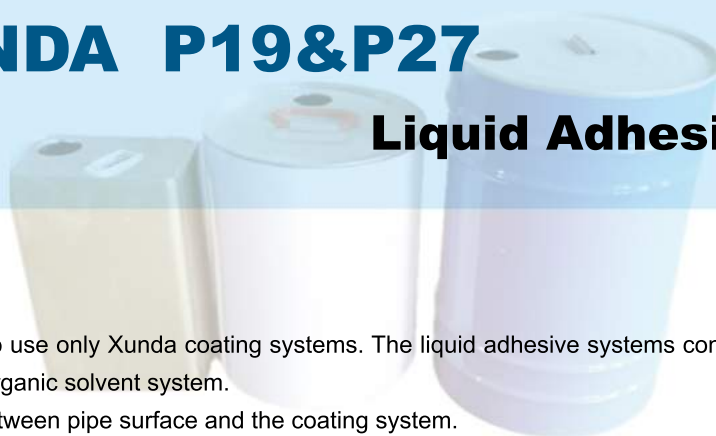


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XUNDA P19&P27

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

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 Tape

Contact Us

Tel: 0086 15866092558

Email: sales.kevin@xundatape.com

Whatsapp: 0086 15866092558

Skype: zhanxuemeng

QQ: 841058483

Wechat: zxm_kevin

Website : www.xundapipetape.com

