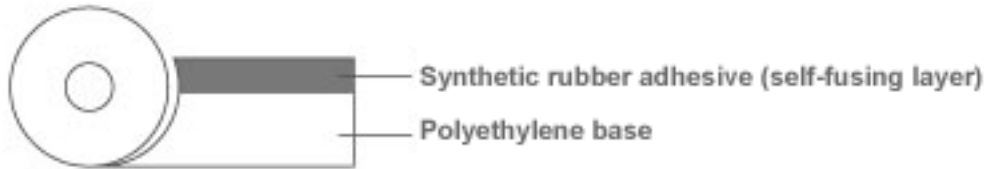


Anticorrosion Tape No.55

Self-fusing type anticorrosion tape widely used for prevention of corrosion and protection of pipeline.
Outline

Anticorrosion tape No.55 is self-fusing type anticorrosion tape developed for protection and preventing corrosion of various types of pipeline. The tape is composed of polyethylene film and self-fusing type adhesive, wound parts of which blend each other after application and form a sheet that cuts bleeding channel. As the base material is polyethylene, it has excellent electrical insulation and chemical resistance.

Structure



Features

- Using high self-fusing synthetic rubber adhesive that fuses and combines after application, the tape brings out excellent water-tight/anticorrosion effect and cuts bleeding channel.
- It uses polyethylene base material with superior electrical property, chemical resistance and low-temperature performance, and synthetic rubber adhesive with excellent durability.
- It is composed of moderately flexible film and thick adhesive compound, and perfectly fits to joints and curved parts with excellent sealing and cushioning.

Applications

- For anticorrosion and protection of polyethylene lining pipe joint area.
- For anticorrosion and protection of various types of pipelines.
- For anticorrosion and protection of power cable and communication cable.
- For anticorrosion and protection of pipes under severe condition, such as mine and chemical factory.

Standard size and color

Product No.	Standard size				Color
	Thickness [mm]	Width [mm]	Length [m]	Ball core gauge [mm]	
No.55	0.4	50	10	30	Black

General properties

Characteristic item		Unit	Measured value	Measuring method
Thickness	Whole tape	[mm]	0.40	JIS Z 1901
	Adhesive		0.28	
Adhesive strength	Stainless steel		3.8	
	Own backside	[N/25mm]	2.9	
	Peeling method		46.1	*
	Tensile strength	[N/25mm]	58.8	JIS Z 1901
	Elongation	[%]	470	

Volume resistivity	Ωcm	10^{16}	JIS K 6911
Dielectric breakdown voltage	[kV]	19	JISC 2110

*The above values are sample observed values, not the guaranteed performance.

*Peeling strength: Overlap adhesive side of 100mm tapes in face to face, load 5kg weight, and measure adhesive strength by peeling off after 2 hours.

Anticorrosion Vinyl Tape No.51

Easy-to-wind vinyl tape for anticorrosion and protection.

Outline

Anticorrosion Tape No.51 developed for prevention of corrosion and protection of various types of pipelines. Using vinyl chloride with excellent electrical property and chemical resistance as base material together with thick coated synthetic rubber-base adhesive, it brings out superior durability and anticorrosion property. Being highly flexible, it is easy to wind and suitable for work in low temperature and for work on joint part or flexural area.

Structure



Features

- Offers superior durability and corrosion resistance.
- Consists of flexible film and thick adhesive. Adheres well to joints and curved parts. Provides superior sealing and cushioning.

Applications

- For anticorrosion/protection of various types of pipelines.
- For anticorrosion/protection of power cable and communication cable.
- For anticorrosion/protection of pipes under severe condition, such as mine and chemical factory.

Standard size and color

Product No.	Standard size				Color	
	Thickness [mm]	Width [mm]	Length [m]	Ball core gauge [mm]		
No.51	0.4	25	10	30	No.51	Black, Ivory
		50			No.51SG	Silver-gray
		75			No.51W	Blue
					No.51SW	Sky-blue

General properties

	Property	Unit	Measured value	Measuring method
Thickness	Whole tape	[mm]	0.40	
	Adhesive		0.13	
Weight	Ordinary state	[N/25mm]	6.9	
	Own backside		4.4	
	After soaking in hot water		6.4	
	Own backside		3.4	JIS Z 1901
Tensile strength	Ordinary state	[N/25mm]	98	
	After soaking in hot water			
Elongation	Ordinary state	[%]	220	
	After soaking in hot water		190	
	Insulation resistance	mΩ	10 ⁵	
	Volume resistivity	Ωcm	10 ¹³	JIS K 6911
	Volume resistivity	[kV]	13	JISC 2110

*The above values are sample observed values, not the guaranteed performance.

Petrolatum Anticorrosion Tape No.59 Series

For antirust/anticorrosion of irregular shapes. Petrolatum anticorrosion tape perfectly sticks to any shape.



Outline

No.59 Series uses a nonwoven fabric base impregnated with petrolatum-based compound made from petroleum, which has good elasticity, and closely sticks to any shape. It forms excellent antirust/anticorrosion layer with just a simple work of winding or applying, and smoothing.

Features

- It brings out superior antirust/anticorrosion effect by shielding the metal surface against air and water.
- Antirust/anticorrosion petrolatum changes red rust to black rust and stabilizes the material.
- With its high-powered chemical-resistance, it prevents corrosion by acid, alkali, and bacteria.
- Superior adhesive power of petrolatum continues forming of antirust/anticorrosion layer without having evaporation or hardening.
- No special skill is needed, and it is easy to work with.
- It perfectly adheres to any kind of complicated shape.
- No need to heat. It forms anticorrosion layer by just winding and stroking.

Line-up

[No.59L, No.59H]

For underground installation, underwater installation, etc.

[No.59HN]

For area that needs flame retardancy.

[No.59HT]

For high temperature section that needs heat-resistance. (Thermal melting resistant temperature: 90°C)

*Thermal melting resistant temperature means the drop temperature of the compound.

Applications

- For various pipes (straight pipes, flanges, elbows, T-tubes, etc.)
- For steel structures with complicated shape.
- For steel structure in seawater and tidal zone. Taping is available after application of a primer of underwater paste. With appropriate covering, it forms long-lasting antirust/anticorrosion coating.

General properties

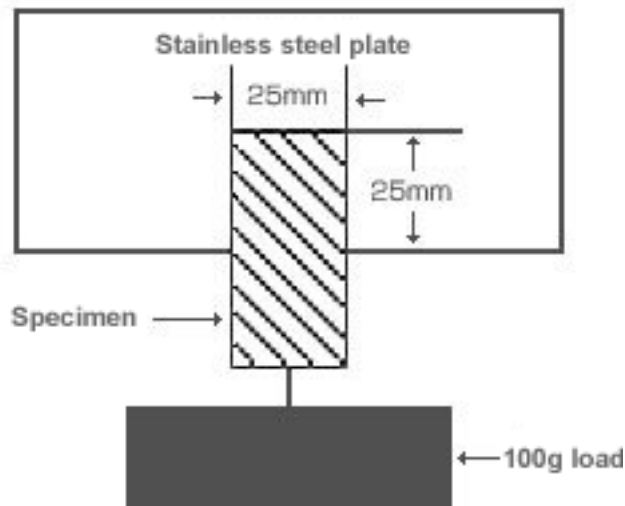
Property	Unit	Measured value			
		No.59L	No.59H	No.59HN	No.59HT
Thickness	mm	1.1	1.1	1.1	1.1
Weight	kg/m ²	1.4	1.4	1.5	1.4
Elongation		15.0	15.0	15.0	15.0
Water absorption ratio	%	0.1	0.1	0.1	0.1
Tensile strength	N/25mm Width	78.0	78.0	78.0	78.0
Adhesive strength *1	S	60 or more	60 or more	60 or more	60 or more
Volume resistivity	Ωcm	10 ¹⁴	10 ¹⁴	10 ¹⁴	10 ¹⁴

Resistance to thermal melting °C ~+55 ~+65 ~+65 ~+90
*2

The above values are sample measured values, not the guaranteed performance.

*1 Adhesive strength test method

Affix a specimen of 25mm x 25mm on stainless steel plate with test temperature of 20°C, press the specimen with 5kg roller one pass back and forth, then apply 100g load and measure time until it falls down.



*2 Resistance to Thermal Melting Test Method

Wind the tape around a small pipe and set it horizontally in a homiothermal chamber at designated temperature. After 24 hours, any dropping of the tape compound should not be found.

NITOHULLMAC XG Series, Oxidative Polymerization Type Anticorrosion Tape for Outdoor Use

"Anticorrosion paint that can be stuck on". Anticorrosion tape for outdoor use that perfectly adheres to complicated shapes.



Outline

NITOHULLMAC XG Series consists of a plastic nonwoven fabric impregnated with a compound whose main component is a special blend drying oil. A coating is formed on the surface through oxidative polymerization. As it is marvelously elastic, you can stick it to any shape just by applying and smoothing, and it will show its excellent quality of anticorrosion and weather resistance.

Features

- With its excellent elasticity, it tightly fits into any complicated shapes.
- You only need to smoothing it after application or winding. You don't need any special skill.
- Compound hardly changes its viscosity both in low and high temperature, so the workability does not change both in summer and winter. However, you need a temperature of over 5°C to apply topcoat. (Sometimes, crazing occurs when wind blows in to a place where the temperature is low).
- Compound with high adhesiveness shuts out water and air from metal surface and brings out good anticorrosion effect. After work, it loses surface tackiness by oxidative polymerization, and forms a flexible tape layer.
- Conforms to fire resistance standards specified in regulation No.57 regarding hazardous substance issued by the Fire and Disaster Management Agency.



● Pipe laying in pier



● Base stand



● Around a tank base
(to prevent rain water penetration)



● Outdoor piping

Applications

- Anticorrosion tape for steel structure in outdoor.

General properties

Property	Unit	NITOHULLMAC XG	Test method	
Thickness	[mm]	1.1	JIS Z 1902	
Weight	kg/m ²	1.7	-	
Tensile strength	[N/25mm]	89	JIS Z 1902	
Elongation		14	JIS Z 1901	
Water absorption ratio	[%]	0.5	24h water immersion	
Insulation resistance	Ω·m ²	3.0x10 ⁶	JIS Z 1902	
Volume resistivity	Ω·cm	1.0x10 ¹¹	JIS K 6911	
Adhesive strength	N/1,250mm ²	24	JIS Z 1902	
Flame retardancy	Time Distance	sec. [mm]	88 23	Fire Hazards Law No.57
Heat resistance	[°C]	90	Continuous use 5 years	
Salt water spray	2000h	No rust development	JIS Z 2371	
Weather Ability	h	2,000	Sunshine Weather meter	

*The above values are sample observed values, not the guaranteed performance