

## Petro Coating Systems

A Worldwide Leader in Corrosion Protection



**PCS' Petrolatum Tape** consists of a non-woven stitch bonded synthetic fabric, fully impregnated and coated with neutral petrolatum based compounds and inert fillers that does not polymerize or oxidize. It is free of chemical impurities and environmentally safe.

**PCS' Petrolatum Tape System** offers superior performance and ease of application.

1. Remove all loose particles such as dirt, rust, oil, excessive moisture and other contaminants.
2. Apply a thin layer of **Petro Primer** over the entire surface to be wrapped.
3. Fill complex surfaces (valves, flanges) with **Petro Mastic** to achieve a uniform contour.
4. Spirally wrap **Petro Tape** with a recommended 55% overlap for underground and above ground horizontal applications. A 1" overlap is adequate for all other applications. While wrapping, remove all air pockets and smooth out lap seams.
5. Finish with **Petro Overwrap** to color code or in buried applications.

- ✓ Minimal Surface Preparation
- ✓ Application to wet and/or cold surfaces & conditions
- ✓ Highly conformable to irregular surface shapes
- ✓ No requirement for specialized equipment or skilled labor
- ✓ Long term service life & unlimited shelf life
- ✓ Manufactured in the USA

Let Petro Coating Systems help your steel pipe maintain its integrity. Please contact us directly or visit our website for product information.



## PRODUCT INFORMATION

### **ST Petrolatum Tape**

Composition: . . . . . Non-Woven Stitch bonded synthetic fabric, fully impregnated and coated with neutral petrolatum based compounds and inert fillers. Petrolatum based **ST Tape** is chemically inert and does not polymerize or oxidize and therefore retains its water resistance and dielectric properties over an indefinite period. It is free of chemical impurities.

**PHYSICAL PROPERTIES:**

Tensile Strength: . . . . . lb/inch	45	
Thickness: . . . . . mils	51 (min)	
Roll Length: . . . . . ft	33ft	
Mass: . . . . . [g/m <sup>2</sup> ]	1350	
Water Vapor		
Permeability: . . . . . [g/m <sup>2</sup> /24 Hrs]	0.12	[ASTM E96]
Holiday Test: . . . . . [KV]	10	
Operating Temperature: . . [°F]	-50 to + 149	
VOC Content: . . . . . None		

**SPECIAL POINTS:**

- Priming: . . . . . All surfaces should be evenly coated with **PP Petrolatum Primer Paste** prior to application of **ST Petrolatum Tape**.
- Overwrapping: . . . . . Pipes wrapped with **ST Petrolatum Tape** may be over-wrapped with **PO PVC 250 Overwrap Tape** for extra mechanical protection and increase electrical resistance.
- Finishing: . . . . . While applying the **ST Petrolatum Tape**, smooth the surface of the tape by hand to eliminate air bubbles. Insure intimate contact with the substrate and seal laps.
- Overlapping: . . . . . A 55% overlap is generally recommended, however, a minimum overlap of 1" may be used on pipe diameters up to 6" and a 2" overlap on larger diameters.

**Pipewrapping:**

Pipe Diameter (inches)	Tape Width (inches)
1-3	2
3-4	2-4
4-8	4
10-12	6

All the above information is believed to be reliable. Users however, should independently evaluate the suitability of the product for the application. PCS P/L makes no warranties as to the accuracy or completeness of the information and disclaims any liability regarding its use. PCS P/L specifications are subject to change without notice. In addition PCS P/L reserves the right to make changes in materials or processing without notification to the buyer.

## PRODUCT INFORMATION

### **HT Petrolatum Tape**

Composition: . . . . . Non-Woven Stitch bonded synthetic fabric, fully impregnated and coated with neutral petrolatum based compounds and inert fillers. Petrolatum based **HT Tape** is chemically inert and does not polymerize or oxidize and therefore retains its water resistance and dielectric properties over an indefinite period. It is free of chemical impurities.

#### **PHYSICAL PROPERTIES:**

Tensile Strength: . . . . . lb/inch	45	
Thickness: . . . . . mils	51 (min)	
Roll Length: . . . . . ft	33ft	
Mass: . . . . . [g/m <sup>2</sup> ]	1350	
Water Vapor		
Permeability: . . . . . [g/m <sup>2</sup> /24 Hrs]	0.12	[ASTM E96]
Holiday Test: . . . . . [KV]	10	
Operating Temperature: . . [°F]	-50 to +167	
VOC Content: . . . . . None		

#### **SPECIAL POINTS:**

Priming: . . . . . All surfaces should be evenly coated with **PP Petrolatum Primer Paste** prior to application of **HT Petrolatum Tape**.

Overwrapping: . . . . . Pipes wrapped with **HT Petrolatum Tape** may be over-wrapped with **PO PVC 250 Overwrap Tape** for extra mechanical protection and increase electrical resistance.

Finishing: . . . . . While applying the **HT Petrolatum Tape**, smooth the surface of the tape by hand to eliminate air bubbles. Insure intimate contact with the substrate and seal laps.

Overlapping: . . . . . A 55% overlap is generally recommended, however, a minimum overlap of 1" may be used on pipe diameters up to 6" and a 2" overlap on larger diameters.

#### Pipewrapping:

Pipe Diameter (inches)	Tape Width (inches)
1-3	2
3-4	2-4
4-8	4
10-12	6

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## PRODUCT INFORMATION

### **LT Petrolatum Tape**

Composition: . . . . . Non-Woven Stitch bonded synthetic fabric, fully impregnated and coated with neutral petrolatum based compounds and inert fillers. Petrolatum based **LT Tape** is chemically inert and does not polymerize or oxidize and therefore retains its water resistance and dielectric properties over an indefinite period. It is free of chemical impurities.

#### **PHYSICAL PROPERTIES:**

Tensile Strength: . . . . . lb/inch	45	
Thickness: . . . . . mils	51 (min)	
Roll Length: . . . . . ft	33ft	
Mass: . . . . . [g/m <sup>2</sup> ]	1350	
Water Vapor		
Permeability: . . . . . [g/m <sup>2</sup> /24 Hrs]	0.12	[ASTM E96]
Holiday Test: . . . . . [KV]	10	
Operating Temperature: . [°F]	-50 to +131	
VOC Content: . . . . . None		

#### **SPECIAL POINTS:**

- Priming: . . . . . All surfaces should be evenly coated with **PP Petrolatum Primer Paste** prior to application of **LT Petrolatum Tape**.
- Overwrapping: . . . . . Pipes wrapped with **LT Petrolatum Tape** may be over-wrapped with **PO PVC 250 Overwrap Tape** for extra mechanical protection and increase electrical resistance.
- Finishing: . . . . . While applying the **LT Petrolatum Tape**, smooth the surface of the tape by hand to eliminate air bubbles. Insure intimate contact with the substrate and seal laps.
- Overlapping: . . . . . A 55% overlap is generally recommended, however, a minimum overlap of 1" may be used on pipe diameters up to 6" and a 2" overlap on larger diameters.

#### Pipewrapping:

Pipe Diameter (inches)	Tape Width (inches)
1-3	2
3-4	2-4
4-8	4
10-12	6

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## PRODUCT INFORMATION

### **PT Marine Tape**

- Description: . . . . . A specialist tape to be used in conjunction with the **PPM Marine Primer** for long-term corrosion protection of steel piles and structural steel in marine environments. The **PT Marine Tape** is designed for use of either immersed or above the tidal zone applications.
- Composition: . . . . . Non-Woven Stitch bonded synthetic fabric, fully impregnated and coated with neutral petrolatum based compounds and inert fillers.
- Characteristics: . . . . . Designed for application underwater. The tape contains a highly effective anti-bacterial agent to protect the system as well as the substrate from microbial corrosion activities. The product is free of chemical impurities and is chemically inert. It does not polymerize or oxidize, therefore retaining long-term water resistance.

#### **PHYSICAL PROPERTIES:**

Tensile Strength: . . . . . lb/inch	45	
Thickness: . . . . . mils	51 (min)	
Roll Length: . . . . . ft	33ft	
Mass: . . . . . [g/m <sup>2</sup> ]	1350	
Water Vapor		
Permeability: . . . . . [g/m <sup>2</sup> /24 Hrs]	0.12	[ASTM E96]
Holiday Test: . . . . . [KV]	10	
Service Temperature: . . . °f	-50 to +131	

#### **SPECIAL POINTS:**

- Priming: . . . . . All surfaces should be evenly coated with **PPM Marine Primer Paste** prior to application of **PT Marine Tape**.

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## PRODUCT INFORMATION

### **PVC 250 Overwrap Tape**

Description: . . . . . **Petro Overwrap** is a premium quality vinyl tape that is designed for additional protection to prolong the life of PCS' Petrolatum Tapes, as well as, identify commercial and industrial components.

Composition: . . . . . Sturdy vinyl – will hold up under the heaviest duty wear.

Characteristics: . . . . . Highly conformable to all surfaces. Abrasion resistant and non-fading. Resists oil, grease and many solvents. Easily dispensed, by hand, for quick and secure installation. Immersion in water will not cause disintegration or loosening.

Available Colors: . . . . . Black, White, Red, Blue, Green, Brown, Orange, Purple, Grey and Yellow

The physical and performance characteristics shown are averages obtained from tests recommended by ASTM, government agencies or our own procedures. A particular roll may vary slightly from these averages and it is recommended that the purchaser determine the suitability for his own purpose.

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## PRODUCT INFORMATION

### **PP Series Primer Paste**

Description: . . . . . A preparatory priming paste used to displace surface moisture, passivate surface oxides and fill small irregularities in the surfaces to be wrapped with **PT - LT, ST & HT Tape**.

Composition: . . . . . Saturated petrolatum based compound and passivating agents.

Characteristics: . . . . . Inert, Chemically Resistant and impervious to water. Will not dry or harden.

Operating Temperature: . . -50°F to +113°F

Coverage: . . . . . 1.5 – 2.5 sq. feet per lb.

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## PRODUCT INFORMATION

### **PPM Marine Primer**

Description: . . . . . A preparatory marine priming paste used to displace surface moisture, passivate surface oxides and fill small irregularities in the surfaces for underwater applications, to be wrapped with **PT Marine Tape**. **PPM Marine Primer** contains wide spectrum biocides that resist the growth and continued activity of microbial organisms.

Composition: . . . . . Saturated petrolatum based compound incorporating wetting and passivating agents. Contains wide spectrum biocides (Anti-bacterial Agent).

Characteristics: . . . . . Chemically Resistant and impervious to water. Will not dry or harden. may be applied underwater without risk of material loss due to “drop off” from steel substrate.

Temperature Range: . . . . . Application 23°f to 113°f

Coverage: . . . . . 1-3 sq yards/lb (changeable subject to substrate)

VOC Content: . . . . . None

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## PRODUCT INFORMATION

### **PM Series Mastic**

Description: . . . . . Filler, which profiles areas, to be tape wrapped by easing contours on pipe joints, flanges, bolts and other irregular shapes.

Composition: . . . . . Saturated neutral petrolatum based compounds, inert fillers and reinforcing fibres.

Color: . . . . . Brown

Characteristics: . . . . . Self supporting compound that does not harden. Chemically inert and resistant to moisture.

Operating Temperature: . . Application -50°F to + 149°F (ST Grade)

#### PM Series Mastic Quantity Requirements:

Pipe Diameter	Flanged Pairs (Lbs. Mastic)	Flanged Valves (Lbs. Mastic)	Pipe Diameter	Flanged Pairs (Lbs. Mastic)	Flanged Valves (Lbs. Mastic)
2"	3 Lbs	6	14"	22 Lbs	44 Lbs
3"	5 Lbs	10	16"	25 Lbs	50 Lbs
4"	6 Lbs	13	18"	28 Lbs	57 Lbs
6"	10 Lbs	19	20"	32 Lbs	63 Lbs
8"	13 Lbs	25	24"	38 Lbs	76 Lbs
10"	16 Lbs	32	30"	47 Lbs	95 Lbs
12"	19 Lbs	38	36"	57 Lbs	113 Lbs

The above quantities are approximates only and depend upon application conditions. Estimates include a 5% contingency allowance.

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