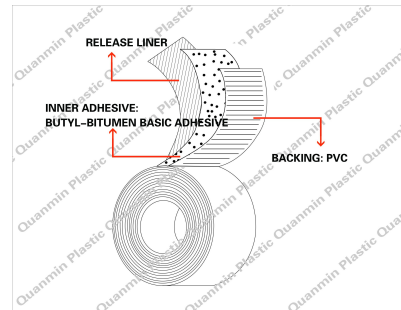




# T5000 PVC

## Bitumen Anti Corrosion Protection Tape



### 1. Product Description

T5000 **PVC bitumen tape** is 'All Weather' corrosion protection self-adhesive tape. It is for the protection of steel and ductile pipes, welded joints, bends and fittings and similar structures from corrosion above or under ground or immersed or submarine. The tough and flexible PVC backing is selected to suit different requirements of soil conditions and pipe diameters. **PVC bitumen tape** can be applied by most operators with the minimal amount of training on site/ in situ by hand or in a workshop by machine.

### 2. Composition

Self-adhesive

Backing layer is a **tough and flexible PVC**, which has high resistance to alkali and acid, and exception resistance to damage by impact or poor backfill and in aggressive ground condition.

The adhesive layer is **modified bitumen compound** or **fabric reinforced modified bitumen compound**, which is thick and has high shear resistance and high resistance to cathodic disbondment. Suitable for wide range temperatures and different grade corrosion protection requirement.

The bitumen compound layer is protected by a **release liner**, wider than the tape to prevent contamination, removed/discarded during application.

### 3. Instructions for Use

#### A) Cold Applied

#### B) Surface Preparation

Remove any dirt, oil, grease, rust by suitable methods. Remove any metal burrs or weld spatter. The minimum requirement for surface preparation of pipe /steel surface is by mechanical/power wire brushing to remove any rust scales. Grit blasting can also be done in heavily contaminated areas.

#### C) Priming

Primer should be compatible with T5000 PVC bitumen coating.

Stir the contents of the primer for 1-2 minutes to remove any sediment. Apply the primer with a brush or roller evenly to ensure complete sealing of all small undulations and imperfections.

## D) Wrapping

To protect the metal structures from the environment the tapes must cover the entire surface.

Wrapping should not commence until the primed surface has become touch dry. Apply suitable width strips of tape or molding compound along the weld bends or uneven surface and press firmly. Peel back 150mm to 300 mm of the release liner and apply the tape, adhesive side, to the primed surface. The angle of the tape must be such as to produce specified overlap. Apply only sufficient tension to ensure good conformation avoiding air pockets and bridging. Ensure end lap area of at least 150mm when splicing the tapes.

## 4. Storage and Shelf life

PVC bitumen tape should be stored under cover, out of direct sunlight and protect from extreme temperatures. Storage area should be cool, dry, well ventilated and regularly monitored for temperature and major sources of heat. Ambient temperature inside storage areas should be always be less than 30 °C . Recommended storage temperature is between +5 °C to +30 °C . In tropical climates the product must be stored in an air-conditioned environment. Self-life is up to 12 month when stored as per recommended storage conditions.

## 5. Material Health and Safety Data

See relevant Material Health and Safety Data Sheet

## 6. Product Select Guide

Model	Thickness	Suitable Conditions	Color
T5105-41	Total thickness: 1.05mm	Modified bitumen adhesive ; Used on small diameter pipes or where the risk of damage by impact or soil stress is slight.	Black
	Backing thickness: 0.15mm		
	Adhesive thickness: 0.90mm		
T5112-44	Total thickness: 1.12mm	Modified bitumen adhesive ; Used on small and medium diameter pipes or where the risk of damage by impact or soil stress is moderate.	Black
	Backing thickness: 0.37mm		
	Adhesive thickness: 0.75mm		
T5150-59	Total thickness: 1.50mm	Modified bitumen adhesive ; Used on medium to large diameter pipes or where the risk of damage by impact or soil stress is moderate.	Black Blue
	Backing thickness: 0.75mm		
	Adhesive thickness: 0.75 mm		
T5160-63	Total thickness: 1.60mm	Modified bitumen adhesive ; Used on medium to large diameter pipes or where the risk of damage by impact or soil stress is moderate.	Black Blue
	Backing thickness: 0.50mm		
	Adhesive thickness: 1.10mm		
T5165-65	Total thickness: 1.65mm	Modified bitumen adhesive ; Used on large diameter pipes or where the risk of damage by impact or soil stress is high	Black Blue
	Backing thickness: 0.75mm		
	Adhesive thickness: 0.90mm		
T5145-57R	Total thickness: 1.45mm	Fabric reinforced modified bitumen adhesive ; Used on small to medium diameter pipes in tropical areas	Black
	Backing thickness: 0.085mm		
	Adhesive thickness: 1.365mm		
T5160-63R	Total thickness: 1.60mm	Fabric reinforced modified bitumen adhesive ; Used on medium to large diameter pipes in tropical areas	Black Blue
	Backing thickness: 0.50mm		
	Adhesive thickness: 1.10mm		

T5200-79R	Total thickness: 2.00mm	Fabric reinforced modified bitumen adhesive ; Used on large diameter pipes in tropical areas	Black Blue
	Backing thickness: 0.50mm		
	Adhesive thickness: 1.50mm		

## 7. Supply

- Roll Width: 50, 75, 100, 150, 200, 225, 300, 325 mm or to order.
- Roll length: 10, 12, 15, 20, 30, 60 m or to order.
- Core size: 38, 41, 76 mm or to order.

## 8. Equation for Anti Corrosion Protection Requirements

(Width of Coating in inches) × (Area of pipe in square feet)\*

- $\frac{\text{Width of Coating in inches} \times (\text{Area of pipe in square feet})}{\text{Width of coating in inches} - \text{Overlap in inches}} \times 100 = \text{Squares ** of Coating Required}$

\*Area of pipe in square feet = (Diameter in inches) / 12 × 3.1416 × (Length in feet)

\*\*One square = One hundred square feet = 9.29 square meters

(Width of Coating in mm) × (Area of pipe in square meter)\*

- $\frac{\text{Width of Coating in mm} \times (\text{Area of pipe in square meter})}{\text{Width of coating in mm} - \text{Overlap in mm}} = \text{Square meter of Coating Required}$

\*Area of pipe in square meter = (Diameter in mm) / 1000 × 3.1416 × (Length in meter)




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### Factory:

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