



PLID Wrap® Anti-Corrosion Tape

Technical Data Sheet

Date of Preparation: December 23, 2025

DESCRIPTION

S2S PLID Wrap® Anti-Corrosion Tape is an industrial, wax-based petrolatum tape infused with a heavy-duty S2S corrosion inhibitor. Unlike conventional petrolatum tapes, PLID Wrap does not require a primer paste. The infused corrosion inhibitor polar bonds to metal surfaces, forming a self-healing protective film beneath the tape that actively inhibits corrosion.

This integrated corrosion-inhibitor system allows PLID Wrap to provide long-term protection while also enabling temporary removal for inspection, a capability not typical of traditional petrolatum tape systems.

PLID Wrap can be applied in a single step with minimal surface preparation and conforms easily to irregular shapes and profiles.

KEY DIFFERENTIATORS

- No primer paste required; one-step application
- Infused with a heavy-duty corrosion inhibitor
- Corrosion inhibitor polar-bonds to metal, forming a self-healing protective film
- Tape can be cut back and reformed for inspection
- Requires only 30% overlap, reducing material use and installation time
- Long-lasting adhesion; does not sag or slip
- Suitable for above- and belowground applications

FEATURES

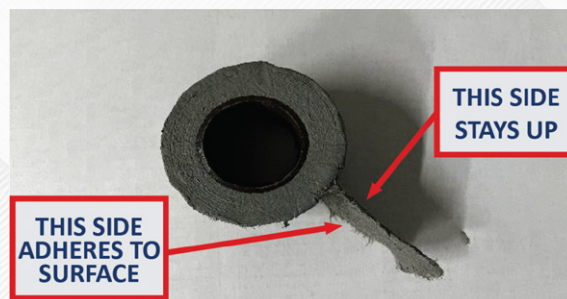
- Requires minimal surface preparation
- Works on dissimilar metals
- Requires no curing time
- Conforms to irregular shapes and profiles
- Offers a wide operating temperature range
- Can be applied to wet, cold, painted or rusted surfaces
- Provides long-term corrosion protection
- Is compatible with cathodic protection systems

USES

- Piping and pipelines • Flanges, valves, and fittings • Threaded connectors and hydraulic fittings • Structural steel and support bases • Corrosion under insulation (CUI) • Pilings, pier structures, and offshore platforms • Water treatment facilities • Fertilizer and industrial processing plants • Marine and coastal environments

APPLICATION

1. No primer paste required.
2. Remove loose dirt, debris, and degreaser. PLID Wrap may be applied to wet, dry, rusted, or painted surfaces.
3. Wrap PLID Wrap with the correct side against the surface, ensuring continuous contact.
4. Apply using a 30% overlap.
5. For buried applications, apply an additional outer protective layer (sold separately).



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TECHNICAL PROPERTIES

Typical Properties, Not Specifications

Property	Typical Value	Test Method
Appearance	Soft paste on cloth carrier	—
Physical state	Solid	—
Thickness	Approx. 30 mils	ASTM D1000
Adhesion to steel	58 ozf/in.	ASTM D1000
Dielectric strength	140 V/mil	ASTM D1000
Breaking strength/elongation	20 lbf / 47%	ASTM D1000
Water vapor transmission	1.3 perms	ASTM E96
Salt spray resistance	>1,000 hours, no corrosion	ASTM B117
Cathodic disbondment	0 mm corrosion at holiday	ASTM G8
Flash point	Approx 150 °C	ASTM D3828
VOC content	Approx. 50 g / L	—
Operating temperature range	–40 C to 84 °C	—
Application temperature range	–18 C to 43 °C	—

STORAGE

Store in a well-ventilated place at room temperature.
Shelf life: More than three years.

AVAILABLE PACKAGING

2 in. × 10 ft (50 mm × 3 m), gray
2 in. × 32 ft (50 mm × 10 m), gray, black, natural
4 in. × 32 ft (100 mm × 10 m), gray and natural
6 in. × 32 ft (150 mm × 10 m), gray and natural
8 in. × 32 ft (200 mm × 10 m), gray

INSPECTION AND REMOVABILITY

PLID Wrap may be cut and peeled back to allow visual inspection of the underlying surface. After inspection, the tape will conform back to its original shape. For added protection, apply a short overlay strip across the cut.

A protective film of S2S corrosion inhibitor remains bonded to the metal surface after tape removal.

All information on this data sheet is based on testing by Valkyrie Enterprises. All products should be tested for suitability for a particular application prior to use. Valkyrie makes no representations or warranties of any kind concerning this data.
Supporting technical data is available upon request.

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