

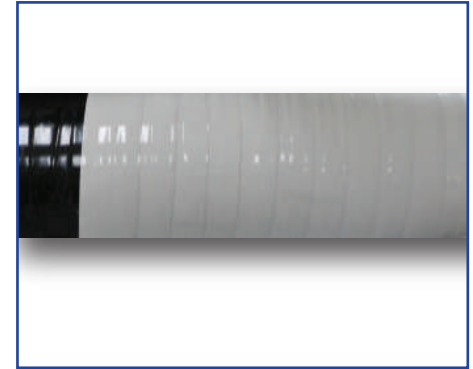
COLD APPLIED TAPE SYSTEM

3PLY , 2PLY & 2PLY , 2 PLY PE TAPES

PRODUCT DATA SHEET

DESCRIPTION

Cold applied tape Coating System is a multilayer polyethylene and butyl rubber coating system used for protecting the external surface of pipelines for oil, gas, petrochemical, waste water underground, and over head pipeline. Installed Cold applied tape coating system provides outstanding adhesion value and elastic performances that is highly adaptive to forces caused by changes in temperature and severe soil stresses. Furthermore, it is a UV and fungus resistant product offering long term solutions. It offers a series of coating systems designed to fit the field application of new construction pipes to reconditioning of existing pipelines. It can additionally be applied over existing coatings when reconditioning is needed. It offers today's coating solutions for ease of application, less labour force, and cost-effectiveness. The system meets or exceeds the requirements of EN, DVGW, ISO, AWWA C209 & C214, ANSI, ASTM, API, NACE, NAPCA and other International standards.



FEATURES & BENEFITS

- ▶ Manufactured using the proven Co-Extruded process resulting in the highest degree of inner cohesive strength 100% adhesion in 24 hours, liquid adhesive to steel and liquid adhesive to the inner coating butyl rubber
- ▶ Adhesive is designed to smear and lock resulting in compression above ground, not relying on soil compression
- ▶ UV inhibitors are included for additional external protection
- ▶ Liquid adhesive formulation is designed to work in conjunction with the inner coatings adhesive, resulting in an effective prevention of stress cracking
- ▶ Designed to absorb impact without cracking
- ▶ Product formulation offers the industry's lowest water vapor penetration. Total adhesion system shows reduced requirements for cathodic protection.
- ▶ Co-Extruded process results in zero delamination and product uniformity. Manufactured to meet or exceed industry standards
- ▶ Designed to meet any corrosion coating project
- ▶ Features roll consistency - no lapped rolls
- ▶ Assistance with proper application procedures for guaranteed results

PRODUCT SELECTION GUIDE

- ▶ **Max.operatingtemperature:** 65°C
- ▶ **Compatible line coatings:** PE, FBE, PP,CTE Tape, PU, EP, Asphalt & Bitumen
- ▶ **Performance:** EN12068 class C50, ISO21809-3 Type 12-1, DIN & AWWA

DESCRIPTION

- ▶ Pipe Diameter
- ▶ Length of the Pipe to be coated
- ▶ Required thickness
- ▶ Certification
- ▶ Service

INSTALLATION

- ▶ The areato be coated has to be clean, dry, and free from oil, grease and dust. All contamination including mill-scale has to be removed.
- ▶ Degrease surfaces with cloth
- ▶ Clean substrate to SSA-ST2, SSPC-SP3 (power wire brush) or SSA-SA 2, SSPC-SP6 (commercial blast). Surface (anchor) profile depth shall be no less than 1.0 mils (25 micron) and no greater than 3 mils (76 micron)
- ▶ Uniform primer application achieving 2 to 3 mil WFT. Primer should be "dry to touch" before application of inner layer
- ▶ Start application a minimum of 4" beyond cutback edge.
- ▶ Spirally apply the inner layer (anti corrosion) with a 1 % to 2% neckdown and no less than a 50% overlap
- ▶ Spirally apply the outer layer (mechanical Protection) with a 1 % to 2% neckdown and no less than a 50% overlap
- ▶ Perform holiday detection per NACE, Thickness & peel test as per Spec.

COLD APPLIED TAPE SYSTEMS

1) 3 PLY / 2PLY TAPE SYSTEM : The system consists of liquid adhesive primer, 3 ply anti-corrosion inner layer and 2 ply mechanical outer layer and is fully certified to the DIN 30672 & EN12068 Class C50 and ISO21809-3 type 12-1 standards

DESCRIPTION	INNERWRAP	OUTERWRAP
Colour	Black	Black /White
Thickness	> 0.76 mm	> 0.51 mm
Roll Width	50,100,150mm	50,100,150mm
Roll Length	30 M	30 M

2) 2 PLY / 2PLY TAPE SYSTEM :The system consists of liquid adhesive primer, 2 ply anti-corrosion inner layer and 2 ply mechanical outer layer and is fully certified to the AWWA C214

DESCRIPTION	INNERWRAP	OUTERWRAP
Colour	Black	Black /White
Thickness	0.50mm ~ 80mm	0.50mm ~ 80mm
Roll Width	50,100,150mm	50,100,150mm
Roll Length	30 M	30 M

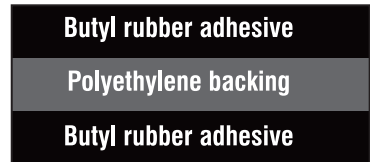
3) Liquid Adhesive Primer supplied in 5 / 10 Liter can or as per customer specific requirement.

Liquid Adhesive Primer

is the first essential part of the cold-applied tape coating system. It is highly compatible with the butyl rubber formulation of the co-extruded inner coating, providing a smooth, uniform coating surface. The never-cure tack surface of the allows ease of application and complete adhesion of the inner layer to steel and butyl rubber. Complies with international standards such as DIN 30672, EN 12068, ISO 21809, ASTM, and AWWA.

3-Ply Double Adhesive Inner Layer

inner layer is a two-component co-extruded coating consisting of a polyethylene inner layer coated on both sides with butyl rubber adhesive, resulting in a double adhesive for self-adhering results. Inner layer is recommended for all pipelines that need additional corrosion protection. It allows for greater cohesive adherence between liquid adhesive, butyl, and the adhesive of the outer layer. Complies with international standards such as DIN 30672, EN 12068, ISO 21809, ASTM, and AWWA.



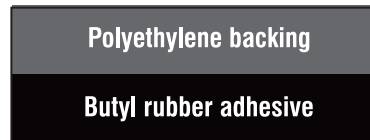
2-Ply Outer Layer

Is a co-extruded outer coating of polyethylene and butyl rubber specifically engineered as a mechanical protection layer. It protects the inner layer (corrosion protection) from potential hazards caused by backfill operations and soil stresses, as well as from chemical and biological attack and ultraviolet light.



2-Ply Single Adhesive Inner Layer

is a two component Co-Extruded coating consisting of polyethylene and butyl rubber adhesive. It is designed and formulated to work in conjunction with Innwrap liquid adhesive coating. This forms a corrosion barrier for our coating system. Material is available in various sizes and thicknesses complies with international standard ASTM and AWWA C214



Please read all information in the general guidelines, product data sheets, guide specifications, and material safety data sheets (MSDS) before applying the material. Published technical data and instructions are subject to change without notice. Contact your local SNI India LLP representative or visit our website for current technical data and instructions.

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