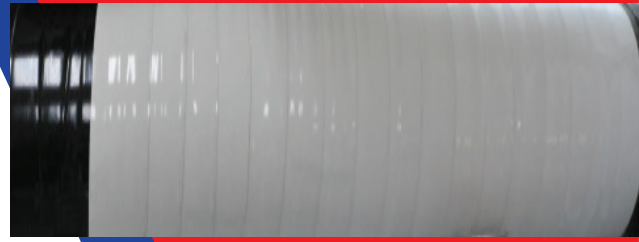


## PRODUCT DATA SHEET

### COLD APPLIED TAPE SYSTEMS

#### 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 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. operating temperature : 85°C
- Compatible line coatings: PE, FBE, PP,CTE, Tape, Asphalt & Bitumen
- Performance: EN12068 class C50, ISO21809-3 Type 12-1, DIN & AWWA

#### Ordering information

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

#### Installation

- The area to 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

**COLD APPLIED TAPE SYSTEM: EN 750/730/740 C50**

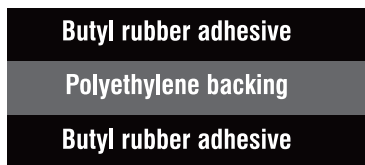
Cold applied tape coating system protecting metal pipelines from high corrosive environment and mechanical stresses. EN 750/740 C50 System complies with DIN 30672, EN 12068, ASTM and AWWA. Its quality performance is tested under DIN 30672 and EN 12068 Class C 50 standards.

<b>Standard designation</b>	<b>Compatible line coatings</b>
EN 12068 C50 ,DIN30672 C50 ,ISO21809	PE, PP, FBE, Coal Tar, Tape, Asphalt and Bitumen

IW 750/730/740 C50 System consists of the following:

**IW 700 Liquid Adhesive**

IW #700 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 that provides a smooth uniform coating surface. The never cure tack surface of the EN 700 provides ease of application and complete adhesion of the inner layer to steel and butyl rubber. EN 700 complies with international standards such as DIN 30672, EN 12068, ISO21809 ASTM and AWWA.



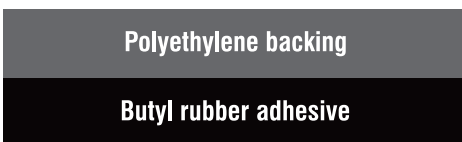
**IW 750 3-Ply Double Adhesive Inner Layer**

IW 750 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. IW 750 inner layer is recommended for all pipelines that need additional corrosion protection. It allows for a greater cohesive adherence between liquid adhesive, butyl and adhesive of the outer layer. IW 750 complies with international standards such as DIN 30672, EN 12068, ISO21809 ASTM and AWWA.



**IW 740 2-Ply Outer Layer**

IW 740 is a co-extruded outer coating of polyethylene and butyl rubber specifically engineered for mechanical protection layer. It provides protection to the inner layer (corrosion protection) from potential hazards due to backfill operations and soil stresses; as well as protection from chemical, biological attack and ultra violet light. IW 740 complies with international standards such as DIN 30672, EN 12068, ISO21809 ASTM and AWWA



**IW 730 2-Ply Single Adhesive Inner Layer**

IW #730 is a two component Co-Extruded coating consisting of polyethylene and butyl rubber adhesive. It is designed and formulated to work in conjunction with Innowrap 700 liquid adhesive coating. This forms a corrosion barrier for our coating system. Material is available in various sizes and thicknesses. IW 730 complies with international standards such as DIN 30672, EN 12068, ASTM and AWWA.

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