

**T400 Cold-applied 3ply tape:**

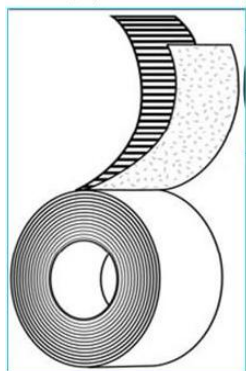


**For corrosion protection of oil, gas, petrochemical, and waste water underground or overhead pipelines.**

**Product description:**

- Construction:** four-layer system
- Internal Adhesive layer:** Butyl rubber
- External Adhesive layer:** Butyl rubber
- Film backing:** Special blend of stabilized polyolefines
- Backing:** special blend of stabilized polyethylene.
- Interleaf:** Anti-adhesive film treated with silicone

The installation is carried out after the liquid adhesive and before the outer-layer tape by hand or with a wrapping machine.



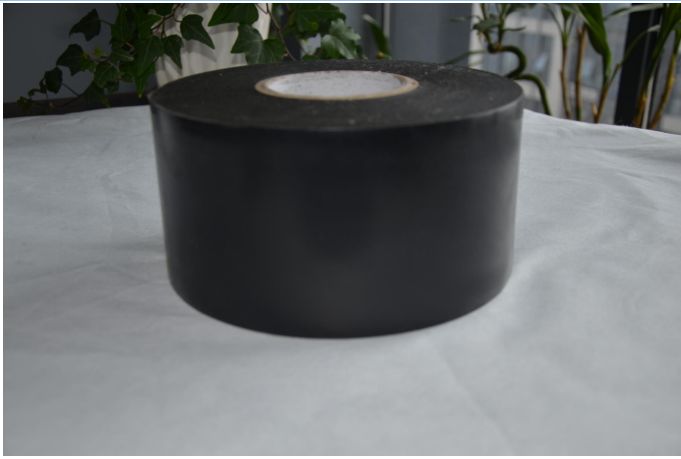
**Backing:** Polyethylene Basic Material

**Adhesive:** Butyl-Rubber Basic Adhesive

**Product features/benefits:**

- Excellent bonding between adhesive and carrier film via co-extruded intermediate layer.
- Mechanically highly resistant tape system.
- Practically impermeable to water vapour and oxygen.
- Resistant to soil bacterial and soil electrolyte.
- Compatible with coating from PE, PP, FBE, PU, CTE and Bitumen and ext... .
- A Total Coating System with:
  - High adhesion and shear resistance
  - Resistance to corrosion disbondment
  - High electrical resistance
  - High dielectric strength
  - High corrosion protection for steel substrates





**Product properties:**

|                         |                         |
|-------------------------|-------------------------|
| Max Service Temperature | - 40 °C - 80°C          |
| Application Temperature | -10 °C - 60 °C          |
| Backing colour          | Black, yellow or others |
| Inner wrap              | T480,T4100              |

| Product Properties                             | Test Method | T480 Typical Value |                              |                     |
|--|-------------|--------------------|------------------------------|---------------------|
|  |             | English            | Metric                       |                     |
| Color film backing                             | -           | Black(grey/green)  |                              |                     |
| Adhesive inner layer                           | -           | Black              |                              |                     |
| Adhesive outer layer                           | -           | Black              |                              |                     |
| Thickness Carrie film                          | ASTM D 1000 | 12.0 mil           | 0.30mm                       |                     |
| Internal Adhesive                              |             | 13.6 mil           | 0.34mm                       |                     |
| External Ahesive                               |             | 6.4 mil            | 0.16mm                       |                     |
| Total thickness                                |             | 32.0 mil           | 0.80 mm                      |                     |
| Backing thickness                              | ASTM D 1000 | 12.0 mil           | 0.30 mm                      |                     |
| Tensile strength                               | ASTM D 1000 | 70 lbs/in          | 120 N/cm                     |                     |
| Elongation at break                            | ASTM D 1000 | 650%               |                              |                     |
| Peel strength to primed steel at 23 °C at 50°C |             | EN 12068 Annex C   | 274.5 lbs/in<br>137.1 lbs/in | 30 N/cm<br>15 N/cm  |
| Peel strength to tape to tape at 23 °C at 50°C |             | EN 12068 Annex B   | 228 lbs/in<br>32 lbs/in      | 25 N/cm<br>3.5 N/cm |
| Dielectric strength                            | ASTM D 149  | 35KV               |                              |                     |
| Insulation Resistance                          | EN 12068    | 108 ohm • m2       |                              |                     |
| Water Vapor Transmission Rate (24h)            | ASTM E 96   | 0.01g/100sq in/24h | 0.1g/100sq mm/24h            |                     |
| Brittleness temperature                        | DIN53372    | -51±39°C           | -46±4 °C                     |                     |
| Water Absorption                               | ASTM D 570  | 0.08%              |                              |                     |
| Impact resistance at 23"                       | EN 12068    | 15 J               |                              |                     |
| Cathodic disbandment at 23°C at 50°C           | EN 12068    | 15mm<br>30mm       |                              |                     |
| Lap shear strength at 50°C                     | EN 12068    | 0.05 N/mm2         |                              |                     |

**Storage:**

1. Anti-exposure, anti-rain, anti-freeze and heat preservation, prevent crushing and deformation, and prohibit close to hot edges and open flames.
2. When subjected to violent freezing below 5°C during transportation or storage, it must be stored at 20°C for 48 hours before use.
3. It should be stored in a warehouse with a temperature of <75°C, >-5°C, and the storage period is 6 months.

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