



## PP Fiber Woven Tape T1100

### Product Description



PP fiber woven tape T1100 is a two layer cold applied tape, consisting of a polypropylene geotextile backing laminated to rubberized bitumen adhesive with a release film positioned on the exposed face of the bitumen to enable proper unwinding of the roll.

T1100 can be used for corrosion prevention of buried pipeline steel. Also, it is usually used as an outerwrap with visco-elastic anticorrosion tape T900 for mechanical protection.

### Features/Benefits

- Cold applied, easily and fast, without extra heat.
- Resistance to the cathodic disbondment.
- Long term corrosion protection.
- Compatible with common pipe coatings.
- Application by hand or machine.



### Product Properties

| Physical Properties                | Test Method | Typical Value               |                             |
|------------------------------------|-------------|-----------------------------|-----------------------------|
|                                    |             | English                     | Metric                      |
| Backing color                      | -           | Black                       | Black                       |
| Tensile strength                   | ASTM D 1000 | 51 lbs/in                   | 90 N/cm                     |
| Peel adhesion to primed steel pipe | ASTM D 1000 | 347oz/in                    | 38N/cm                      |
| Cathodic Disbondment               | ASTM G 8    | 0.252 in radius             | 6.4mm                       |
| Dielectric Strength                | ASTM D 149  | 38 KV                       | 38 KV                       |
| Volume Resistivity                 | ASTM D 257  | $2.5 \times 10^{12}$ ohm.cm | $2.5 \times 10^{12}$ ohm.cm |
| Water Absorptivity                 | ASTM D 570  | 0.05%                       | 0.05%                       |
| Water Vapor Transmission Rate 24h  | ASTM F 1249 | 0.083 g/100sq in/24h        | 0.13 g/ m <sup>2</sup> /24h |
| Application Temperature            | -           | -29°F to 185 °F             | -34°C to +85 °C             |
| Max Service Temperature            | -           | 185°F                       | +85 °C                      |