

# SYNTHO-SHIELD™

## CORROSION PROTECTION TAPE COATING SYSTEM

**Description** The Syntho-Shield™ system is comprised of two components, Syntho-GlassXT® for mechanical and corrosion abilities as well as a Petrolatum Tape undercoating for long term corrosion protection. The Petrolatum Tape under coating is composed of a non-woven synthetic fabric carrier, fully impregnated with a neutral compound based on saturated petrolatum and inert siliceous fillers. The tapes are designed to provide long term corrosion protection to pipes, flanges, valves, and related surfaces. This unique protective coating system has been designed as an effective solution to corrosion, insulation, and waterproofing problems. Syntho-Glass XT, a fiberglass cloth impregnated with a water activated resin, is used as a protective outer wrap. Syntho-Shield is an innovative system that offers exceptional mechanical and impact strength for under water, under ground and above ground corrosion protection coating applications. For above ground applications requiring UV protection, Syntho-Glass@UV is recommended.

| Mechanical Properties | Test             | Method       | Result                    |
|-----------------------|------------------|--------------|---------------------------|
|                       | Tensile Strength |              | ASTM D3039                |
| Flexural Strength     |                  | ASTM D790    | 58,680 psi (4,046.8 bar)  |
| Impact Resistance     |                  | ASTM G14/G62 | 123 ft. lb (167J)         |
| Cathodic Disbondment  |                  | ITI Study    | 4-5 mm radius of disbond- |
| Abrasion Resistance   |                  | ITI Study    | 3 mils/sec                |

**Typical Applications** Corrosion, Insulation, Sealing, and Waterproof Protection for:

- Pipes, flanges, joints and valves for underwater, above and below ground
- Underwater pipelines and platform rig superstructures
- Concrete, steel and wooden pilings, in the splash zone, above and below water line
- Jetty, bridge and pier pilings, as well as, superstructure supports
- Oil, water and chemical pipelines for underwater, above and below ground
- Municipalities' water and wastewater treatment piping systems
- Industrial and institutional plant piping and duct systems

**Benefits**

- Applied to marginally prepared surfaces (SSPC SP 2-3)
- Resistant to temperature extremes
- Easy to apply, no mixing or messy clean up
- Resistant to water, acids, salts or soil organics
- Can be applied to wet surfaces and underwater
- Minimal surface preparation required
- Quick, long term protective coating, ready for immediate service
- Contains no solvents
- Meets AWWA C217 Standard

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