

SYNTHO-SHIELD™

CORROSION PROTECTION TAPE COATING SYSTEM

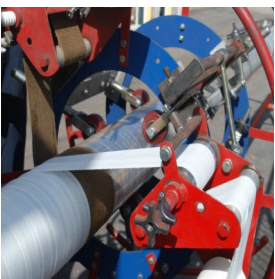


Description

The Syntho-Shield™ system is comprised of two components, Syntho-Glass® 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, 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 D638	36,000 psi (2,482.1 bar)
Flexural Strength	ASTM D790	26,100 psi (1,799.53 bar)
Impact Resistance	ASTM G14/G62	123 ft. lb (167J)
Cathodic Disbondment	ITI Study	4-5 mm radius of disbondment
Abrasion Resistance	ITI Study	3 mils/sec



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SSH DS 0112

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

