



SynthoGlass[®] XT

SynthoGlass[®] XT is a unique, pre-saturated, bi-directional fiberglass composite for repairing and reinforcing internal and external corrosion on piping systems, pipelines, and structures. The pre-saturated system ensures appropriate fiber-to-resin content ratios to deliver reliable performance in restoring pipeline integrity on lines with complex geometry.

APPLICATIONS

- Process piping components carrying low-risk process streams including oil, gas, and water
- Corrosion under insulation (CUI) and atmospheric corrosion
- Offshore piping, caisson, and subsea applications
- Cooling water tower overspray piping and copper nickel pipe
- Leaking applications

COMPLIANT WITH:

- AB-539
- ASME PCC-2
- ISO 24817
- ASME B31
- US DOT
- API
- CSA Z662



BENEFITS:

- Factory saturation of moisture-cured polyurethane resin reduces composite field preparation time by more than 50%
- Factory saturation ensures the optimum fiber-to-resin ratio with consistent strength and mechanical properties
- Easy application, including damp or sweating pipes and in submerged environments
- No heating or post-curing
- Suitable for irregular shapes and geometries
- Can be used on lines of any diameter

TECHNICAL DATA

Ply Thickness	0.014" (0.36mm)
Shore D Hardness	75
Max Installation Temperature	120°F (49°C)
Max Operating Temperature	194°F (90°C)
Min. Operating Temperature (after full cure)	-58°F (-50°C)
Chemical Resistance	Wide range (see Chemical Compatibility Chart for details)
Shelf Life	12 months

TEMPERATURE		SET TIME	CURE TIME
(C)	(F)	(HRS)	(HRS)
10	50	5.20	24
16	60	3.45	15
24	75	2.30	5.5
32	90	2.00	4.25
49	120	1.00	3

REPAIR SYSTEM COMPONENTS

- Filler: EPN-101, ESN-202
- Primer: PPR-220, PPR-290
- Prepreg: XT-FP

WARRANTY CSNRI routinely implements product improvements. Please contact your local distributor or office for the most current product specifications. CSNRI warrants the quality of this product when used according to directions.