LOCTITE®

CSNRI®

ACIDSHIELD™

AcidShield™ is a custom engineered composite repair system with superior chemical compatibility. Designed for repairing corroded and damaged piping, this ASME PCC-2 401 and ISO 24817 compliant system uses chemically resistant, bi-directional fabric in conjunction with a proprietary epoxy system to deliver repairs suitable for piping with harsh chemical services, including 98% sulfuric acid at temperatures up to 150°F (66°C).

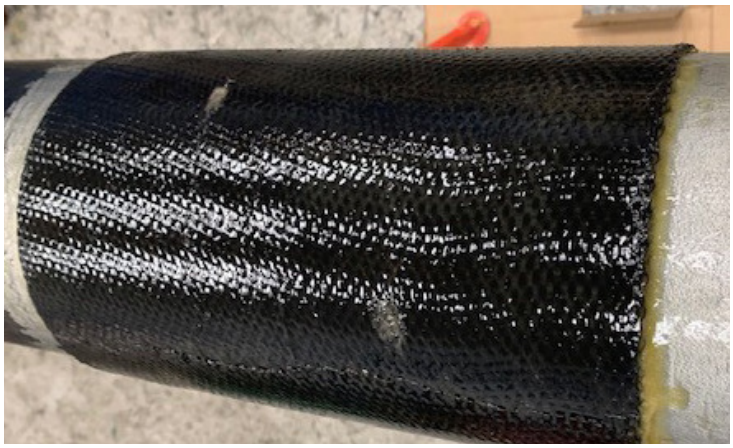
APPLICATIONS

- 98% sulfuric acid lines up to 150°F (66°C)
- Chemical processing lines
- Flare lines
- Blowdown lines
- Harsh chemicals like sulfuric acid, phosphoric acid, ammonium hydroxide, sodium hydroxide and acetic acid up to 50%

COMPLIANT WITH:

(standards/regulations)

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



BENEFITS:

- Eliminates unplanned down time for high-consequence piping
- Extends the life of aging and corroding assets
- No pipe cutting or welding
- Prevents future corrosion
- Qualified and compatible with 98% sulfuric acid up to 150°F (66°C)

Henkel

Henkel Adhesive Technologies

ACIDSHIELD™
TECHNICAL DATA

	AcidShield
Ply Thickness	0.021 inch (0.53 mm)
Shore D Hardness	86
Max Installation Temp	120°F (49°C)
Max Operating Temp*	150°F (66°C)
Min Operating Temp (after full cure)	-58°F (-50°C)
Shelf Life	12 months
Chemical Resistance	Wide range (see Chemical Compatibility Chart for details)

* Max Temp specific to 98% sulfuric acid. Up to 198°F for mild chemical and mechanical needs.

CURE SCHEDULE

TEMP		CURE TIME
(°C)	(°F)	(HRS)
25	77	2
70	158	2
120	248	8

REPAIR SYSTEM COMPONENTS

- Fabric: FBB-320
- Filler: EPN-270
- Primer and Saturant: SFE-270

(1) The listed cure schedule should be followed from the lowest temperature to the highest with the hold times listed in hours completed prior to ramping up to the next temperature.

(2) The cure schedule must be fully completed to reach the recommended cure and achieve 90% of the Target Shore D hardness.

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.