

Stop It[®] Flat Patch

by InduMar Systems, LP

STOP IT[®] Flat Patch is a leak sealant product designed for applications where localized repair is needed or full pipe wraps are impractical. The carbon fiber composite repair system safely and quickly restores operations up to 1,000 psi, and provides localized corrosion inhibition.

STOPIT[®] Flat Patch standard kit sizes: 4"x 4" and 6"x 6" ; custom repair sizes available.

Flat Patch applications can be made regardless of surface orientation (i.e., vertical or horizontal) and will result in a durable repair that will not shatter or crack, even under extreme operating conditions.

Surface preparation: Clean and dry, surface removal of loose scale, paint, lubricants or grease. Application surfaces should be warmed if less than 50°F.

The activated epoxy components and wetted fabrics have an approximate working time of 8-10 minutes. Exact working times may vary – longer in colder temperatures, shorter in warmer temperatures.

Operations may resume in as little as 4 hours following application and cure under ambient conditions. Localized annealing to 175°F through the use of an optional heat-assisted clamp assembly reduces cure time to as little as 1 hour.

Usage

Tanks • Vessels • Large Diameter Pipes • Valve and Pump Casings • Welded Seams
Rail Cars • Roofs • Drums • and More

Physical Properties

Sealant

Shelf Life: 6 months from date of purchase when stored at 40° to 83°F (5° to 28°C)

Color: Component 1 – clear, Component 2 – straw

Mixing Ratio: As supplied, dual cartridge dispenser

Pot Life: 8 minutes @ 72°F (22°C), after mixing for films less than 1/2" thick

Glass Transition Temperature: 165°F (74°C), cured and annealed

Cure Time: ~4 hours @ 72°F (22°C) at 1/8" film thickness

Sealant Viscosity: Gel-like before cure

Reinforcement Fibers

3K Multifilament Continuous Tow

Tensile Strength: 510-635 KSI

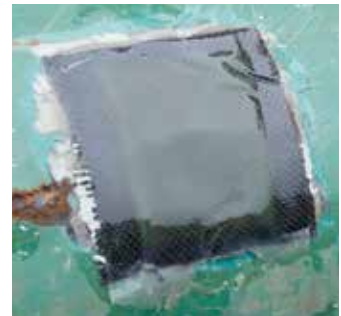
Tensile Modulus: 33.0-34.9 MSI

Elongation: 1.4-1.95%

Composite

Pressure Limitation: Recommended for pressures up to 1000 psi (70 kg/cm², 69 bar) based on documented laboratory pressure retention tests

Maximum Operating Temperature: 165°F (74°C), when cured and annealed



Chemical Resistance

STOP IT® Flat Patch is recommended for pressure sealing applications involving most categories of chemicals and hydrocarbons. Extended chemical resistance data is available upon request. End users are encouraged to verify specific resistances before application.

Sealant	Resistance Rating
Inorganic Acids	Excellent
Bases	Excellent
Chlorinated Solvents	Good
Organics (except some acids)	Excellent

STOP IT® Flat Patch Kit* Contents

- Dual component resin cartridge
- Static mixer
- Reinforcement carbon fiber and repair fabrics
- PVC film
- Protective gloves
- Cleanup supplies
- Detailed application instructions

**Dual-component dispensing gun sold separately*



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