

SYNTHO-POXY™ SS

TWO-PART EPOXY COMPOUND

Description Syntho-Poxy™ SS carries the widest range of application for repairs and maintenance of all metals and alloys. This two-part epoxy compound can be used with either Slow Cure Part B (Yellow) or Fast Cure Part B (Red). Slow Cure Part B offers better technical data however Fast Cure Part B is best for emergency, quick non high-stressed repairs due to its extremely rapid cure time. After sealing a leak with Fast Cure Part B (Red), a second overlapping layer with Slow Cure Part B (Yellow) is recommended to achieve better technical data. Syntho-Poxy SS's high compressive strength and chemical compatibility make it suitable for repairing pitted metal and steel surfaces that are subject to high pressures and temperatures. When fully cured, it produces a durable, resilient bond that is resistant to adverse environments and many solvents such as acids, caustic solutions, solvents, salts, and gases.

Mechanical Properties	Test	Method
	Compression Strength	DIN ISO 604
Lap Shear	ASTM D3163	

Product Information	Item #	Description
	SPSSPT	Syntho-Poxy SS Part A (1 Pint)
	SPSSPT	Syntho-Poxy OL & SS Slow Cure Part B (Yellow)
	SPSSPT	Syntho-Poxy OL & SS Fast Cure Part B (Red)

Parts A & B sold separately.

- Typical Applications**
- Leak repair
 - Fills pits, voids, corrosion defects, dents, etc. to effectively transfer the load to the repair system
 - Above or below ground
- Use with the following repair systems:
- Syntho-Glass@XT
 - Thermo-Wrap™
 - Viper-Skin™
 - Thermo-Wrap™CF

- Benefits**
- Effectively transfers load from the pipe to the repair system
 - Highest compression strength of any load transfer material on the market
 - Reduces strain of the pipe by over 50% of conventional putty materials
 - High bond strength reduces possibility of leaking under the repair



SYNTHO-POXY[™]OL

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SYNTHO-POXY[™]OL

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Physical Properties	Property	Typical Test Value
	Color:	Epoxy Base - Dark Gray
	Solids Content:	100%
	Storage Conditions:	Cool, dry place
	Shelf Life:	12 Months with recommended storage conditions
	w/ Slow Cure Part B (Yellow)	
	Service Temperature:	-238° to 536°F (-150° to 280°C)
	Color:	Hardener - Yellow
	Pot Life:	25 Minutes at 77°F (25°C)
	Set Time:	2 Hours at 77°F (25°C)
	Cure Time:	20 Hours at 77°F (25°C)
	Mix-Ratio(s):	20:1 by weight, 8:1 by vol
	w/ Fast Cure Part B (Red)	
	Service Temperature:	-238° to 248°F (-150° to 120°C)
	Color:	Hardener - Red
	Pot Life:	3-1/2 Minutes at 77°F (25°C)
	Set Time:	18 Minutes at 77°F (25°C)
	Cure Time:	40 Minutes at 77°F (25°C)
	Mix-Ratio(s):	5:1 by weight, 2:1 by vol

Warranty

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