

SEAL-TYTE BOILER SEALER

LIQUID STEAM BOILER REPAIR

STS-SPEC

PRODUCT DESCRIPTION

PRODUCT

SEAL-TYTE Boiler Sealer

TYPE

A premium nonmetallic liquid boiler sealer with special anti-corrosion inhibitors for all steam boilers.

RECOMMENDED USES

SEAL-TYTE is recommended for sealing leaks in new or old low pressure steam boilers including all one or two pipe house heating systems, and vapor vacuum systems. SEAL-TYTE saves time and money in repairing small leaks caused by sand holes, defective castings, and imperfect pipe threads. The sealer can also be used in sealing leaks above the boiler water line (See the Directions for Use section).

SEAL-TYTE prevents the formation of scale and rust which can both decrease boiler efficiency and increase fuel consumption. This unique pressure sensitive product is formulated to go directly to the source of the leak and quickly seal without gumming up zone valves or other working mechanisms. SEAL-TYTE is designed to seal leaks, while conditioning and lubricating the system for top performance.

Due to SEAL-TYTE's superior strength, boiler systems require less SEAL-TYTE than most all other sealing compounds on the market. See SEAL-TYTE Boiler Sealer recommendation chart.

COLOR/CONSISTENCY

Blue Liquid

APPLICATION PRECAUTIONS

SEAL-TYTE will seal any ordinary leak. If the leak is excessively large, seal cracks on the boiler with **Heat-Tyte Furnace Cement** and seal threaded joints with **Seal-Unyte Thread and Gasket Sealer**.

KEEP OUT OF REACH OF CHILDREN. DO NOT TAKE INTERNALLY. FOR PROFESSIONAL USE ONLY.

ENVIRONMENTAL STATEMENT

SEAL-TYTE is free of petroleum distillates and is nonmetallic. Prevents the formation of scale and rust to increase boiler efficiency and improve fuel consumption.

LIMITATIONS

Do not use when Glycol Anti-Freeze is present in the system.

SEAL-TYTE is not recommended for base board radiator systems due to the products powerful strength and small orifices associated with base board heating.

WEIGHT PER U.S. GALLON

9.9 lbs. (4.5 kg) ± 0.02

PACKAGING

U.S. Measure:

<u>Stock Code</u>	<u>Size</u>
	Plastic Jug w/ Spout
STS32	1 quart (.95 L)
STS1	1 gallon (3.785 L)

SHIPPING WEIGHT PER CASE

<u>Stock Code</u>	<u>Case Weight</u>	<u>#/Case</u>
STS32	40 lbs. (18.1 kg)	12
STS1	57 lbs. (25.9 kg)	6

DIRECTIONS FOR USE

SHAKE WELL BEFORE USING

STEAM BOILERS:

1. Fill the boiler to the water line. If the leak is above the water line raise the water ½ inch higher than the crack.
2. Fire the boiler just below steaming point.
3. Pour **SEAL-TYTE** through opening nearest leak (see chart for recommended quantities). If there is not an opening near the leak, remove the safety valve on top of the boiler and pour **SEAL-TYTE** directly in the opening.
4. Close all openings and raise boiler pressure gradually to the maximum allowable. Maintain this pressure until the leak is sealed.

NEW HEATING INSTALLATIONS:

1. Partly fill the boiler.
2. Fire to normal operating temperature.
2. Remove the safety valve or fitting.
3. Pour into opening, 1 to 2 quarts of **SEAL-TYTE**.
4. Close all openings and fill the system gradually. Maintain the same heat until the circulation is complete and all leaks are sealed.

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HOW “SEAL-TYTE” BOILER SEALER WORKS:

“SEAL-TYTE” will mix instantly with the water in the boiler. When water in the boiler leaks through the crack or fault in the system, the mixture will begin to vaporize. The oxygen in the air will create a reaction with SEAL-TYTE, which will cause it to form into a solid. The heat from the boiler strengthens the reaction, further reinforcing the seal. Once the reaction is completed, SEAL-TYTE will expand and contract with the metal of the boiler.

“SEAL-TYTE” QUANTITY RECOMMENDATION CHART		
Boiler Rating Square Feet of Steam	Approximate BTU Equivalent	SEAL-TYTE Required (Quarts)
350	85,000	½
600	144,000	1
1,200	288,000	2
2,400	576,000	4
3,000	720,000	5
8,000	1,900,000	8
12,000	2,880,000	10
15,000	3,600,000	12
20,000	4,000,000	16
50,000	12,000,000	40

“SEAL-TYTE” QUANTITY RECOMMENDATION CHART FOR UNKNOWN BOILER RATING		
Number of Apartments	Approximate Square Feet of Radiation	SEAL-TYTE Required (Quarts)
0 – 4	800	1
8	1,200	2
16	2,200	3
30	4,000	5
70	10,000	8
120	17,000	14

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