

# 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 Boiler Sealer** 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 Boiler Sealer** will save 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 Boiler Sealer** 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 Boiler Sealer** 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 Boiler Sealer** than most all other sealing compounds on the market. See **SEAL-TYTE Boiler Sealer** recommendation chart.

#### COLOR/CONSISTENCY

Blue Liquid

#### ENVIRONMENTAL STATEMENT

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

#### APPLICATION PRECAUTIONS

**SEAL-TYTE Boiler Sealer** 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-Untyte Thread and Gasket Sealer**.

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

#### LIMITATIONS

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

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

#### PACKAGING

##### U.S. Measure:

| Stock Code | Size             |
|------------|------------------|
| STS32      | 32 oz. (.95 L)   |
| STS1       | 1 gal. (3.785 L) |

#### WEIGHT PER U.S. GALLON

9.9 lbs. (4.5 kg)  $\pm$  0.2

#### SHIPPING WEIGHT PER CASE

| Stock# | Case Weight       | #/Case  |
|--------|-------------------|---------|
| STS32  | 35 lbs. (15.8 kg) | 12/case |
| STS1   | 42 lbs. (19.0 kg) | 4/case  |

#### 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  $\frac{1}{2}$  inch higher than the crack.
2. Fire the boiler just below steaming point.
3. Pour **SEAL-TYTE Boiler Sealer** 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.

(over)

#### STS-SPEC

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**"SEAL-TYTE" QUANTITY  
RECOMMENDATION CHART**

| Boiler Rating<br>Square Feet of<br>Steam | Approximate<br>BTU<br>Equivalent | Quarts of<br>SEAL-TYTE<br>Boiler Sealer<br>Required |
|--|----------------------------------|---|
| 350                                      | 85,000                           | 1/2   |
| 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" BOILER SEALER

- NON-PRIMING
- NON-SURGING
- SEALS LEAKS WHILE  
BOILER IS IN USE
- CONTAINS NO  
PETROLEUM DISTILLATES
- NONMETALLIC
- WILL NOT HARM RUBBER OR  
NEOPRENE GASKETS

## HOW "SEAL-TYTE" BOILER SEALER WORKS

"SEAL-TYTE" Boiler Sealer 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**

| Number of<br>Apartments<br>(Unknown Boiler<br>Rating) | Approximate<br>Square Feet<br>of<br>Radiation | Quarts of<br>SEAL-TYTE<br>Boiler Sealer<br>Required |
|---|---|---|
| up to 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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