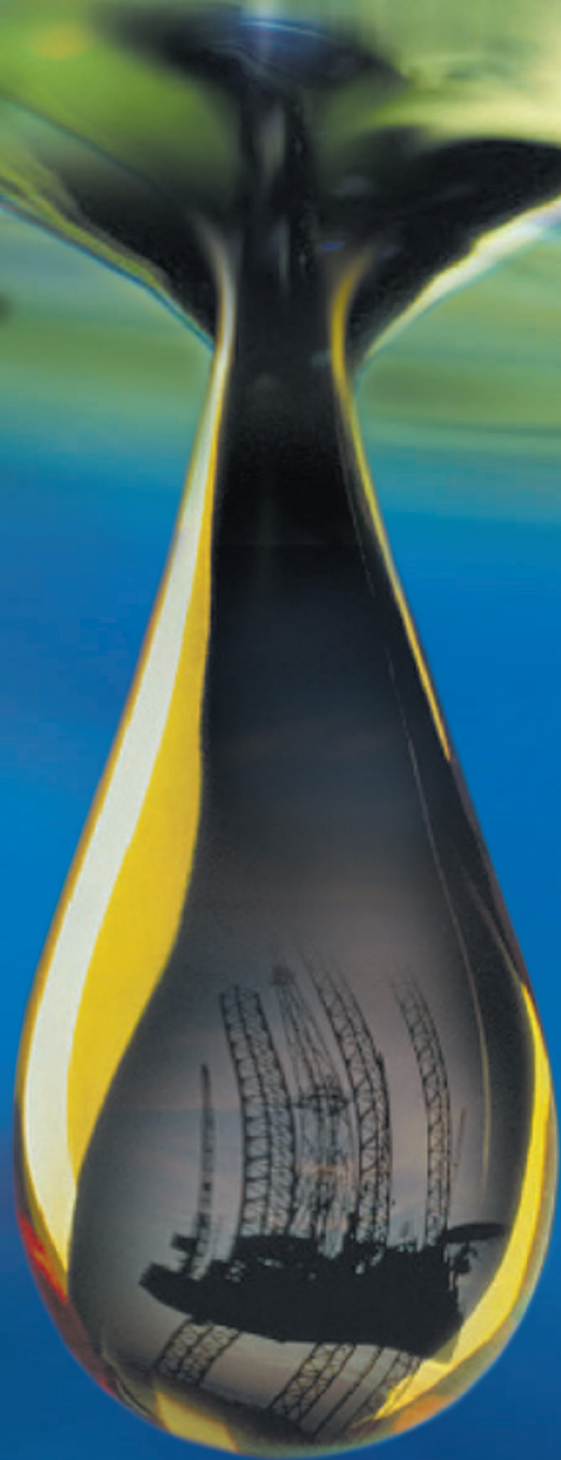




# Seal-Tite®

## International

Engineered Sealing Solutions



ISO 9001:2015  
An ISO 9001:2015 certified company

Seal-Tite, LLC  
500 Deer Cross Drive  
Madisonville, LA 70447  
U.S.A.



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**We Engineer Solutions and Savings**  
**[www.seal-tite.com](http://www.seal-tite.com)**

**Seal-Tite® International has a line of unique pressure-activated sealants that seal leaks in oilfield environments.**



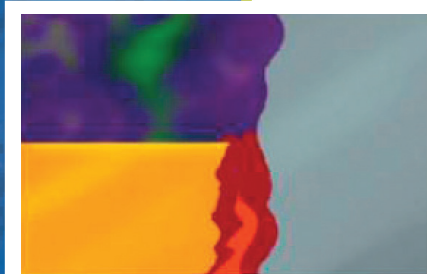
Fluid escaping through leak site.



Sealant building in leak site.



Sealant bridging across leak site.



Sealed leak site.

The sealants are unique in that the pressure drop through the leak site causes the sealants to polymerize into a flexible solid. Only at this point of differential pressure will the sealant polymerization process occur. As the reaction proceeds, polymerized sealant forms at the edges of the leak site and simultaneously links together to form a flexible bond across the leak site. The remainder of the sealant in the system remains liquid.

## **PRESSURE-ACTIVATED SEALANT CHARACTERISTICS**

- >> Liquid sealant
- >> Pressure activated
- >> Polymerizes into a flexible solid
- >> Solidifies only at the leak site
- >> Excess sealant remains liquid
- >> Tested to 22,000 psi and 500° F



**Liquid Sealant**



**Polymerized Sealant**



## FIELD PROVEN TECHNOLOGY

The pressure-activated sealant technology was developed in 1995 to seal leaks in SCSSVs and hydraulic control lines. The technology has expanded to cure leaks in many applications including:

### SCSSV Leaks -

1,079 Successful jobs

- >> SCSSVs
- >> Control Lines
- >> Fittings

### WELLHEAD LEAKS-

1,289 Successful jobs

- >> Tubing & Casing Hangers
- >> Ring Gaskets
- >> Gate Valves & Actuators
- >> Bradenheads

### TUBING & CASING LEAKS-

223 Successful jobs

- >> Tubing & Casing
- >> Chemical Injection Mandrels
- >> P & T Gauge Mandrels
- >> Sliding Sleeves
- >> Seal-Units & Packers
- >> Liner Hangers & Tie Back Seals

### MICROANNULUS SEALS-

92 Successful jobs

- >> Cemented Annulus
- >> P & A Cement
- >> Cavern Casing Shoes

### SUBSEA LEAKS-

472 Successful jobs

- >> Pipeline Ball Valves
- >> Swivels & Misalignment Flanges
- >> Umbilicals & Manifolds
- >> Connectors, Trees, & Wellheads
- >> Gate Valves & Actuators
- >> Choke Bodies
- >> Tubing & Downhole Equipment
- >> Riser Choke & Kill Lines

The success rate for over 3,155 jobs performed to date is 88%.

## TOOL KIT

The standard tool kit consists of a pump box, sealant box, tool box, and injection cylinder; all suitable for helicopter transport.



## SEALANT DELIVERY METHODS

The pressure-activated sealant allows for flexible delivery methods. Since the sealant remains a liquid, except in the presence of differential pressure, there is little concern for the time to deliver the sealant to the leak site in the well. Common sealant delivery methods include:

- >> Pump down control lines and chemical injection lines
- >> Pump down tubing and casing
- >> Spot with wireline dump bailer or coil tubing
- >> Atomize into gas stream
- >> Pump down subsea umbilical or service line
- >> Pump with ROV through hot-stab
- >> Pump from subsea injection cylinder or bladder



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# Seal-Tite®

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