

# FLAMESHIELD®

STI STEEL TANK INSTITUTE

THE FLAMESHIELD® ABOVEGROUND STORAGE TANK IS MANUFACTURED WITH A TIGHT-WRAP DOUBLE-WALL DESIGN. STANDARD FEATURES INCLUDE 2-HOUR FIRE-TESTED PERFORMANCE, BUILT-IN SECONDARY CONTAINMENT AND INTERSTITIAL MONITORING CAPABILITY.

- 2-hour 2000° fire test, as required by Southwest Research Institute Standard SwRI 97-04, validates performance of non-insulated tanks
- Horizontal, vertical and rectangular designs available
- Primary and secondary tank can be tightness tested on site with standard testing procedures, or manufacturer may ship with vacuum in the interstice to prove integrity of both walls during installation
- Diked design also available
- Interstitial space can be monitored for leak detection
- Support designs available for all seismic zones
- Primary storage tank and secondary containment compatible with a wide range of fuels and chemicals



**Economic  
Fire-Tested  
Design**

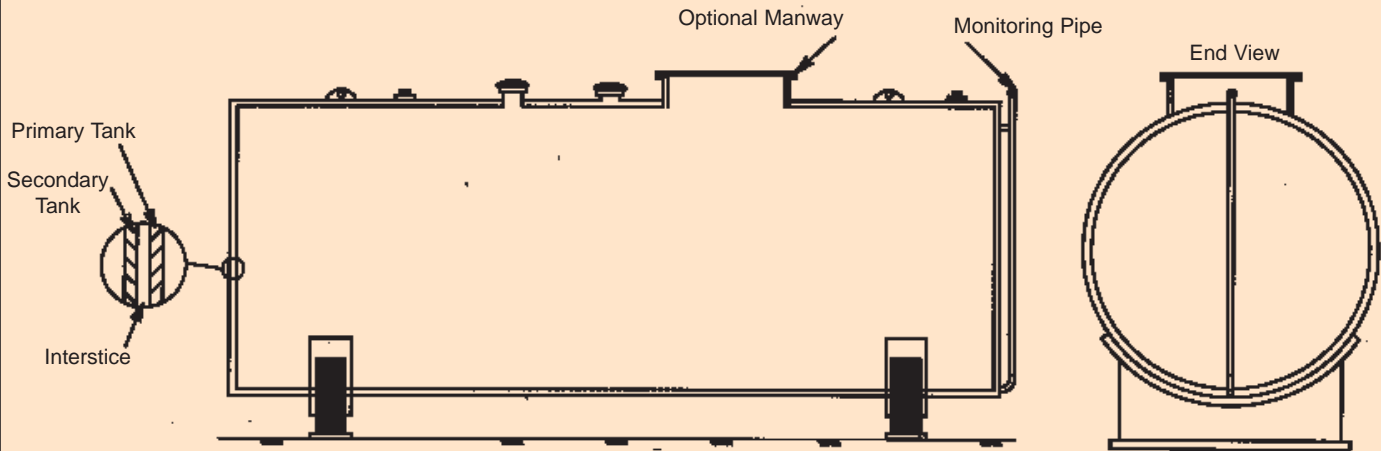


- Steel is the “green” choice - it is capable of being recycled after tank closure
- Built to nationally-recognized STI standards with strict third-party quality control inspection program
- Low cost compartments and customization
- Capacities range up to 50,000 gallons
- Available from a large network of STI licensed manufacturers

The Flameshield® is available from an extensive group of STI fabricators who participate in the Steel Tank Institute’s Quality Assurance Program. Under the program, independent quality control inspectors make unannounced visits to STI members, ensuring fabrication to the highest possible standards.



# Flameshield® Fire-Tested Aboveground Steel Storage Tanks



- STI Flameshield® and SwRI 97-04 labeled
- 300° or 360° outer wall for secondary containment
- Variety of UL approved supports available
- Capacities range up to 50,000 gallons
- Compatible with a wide range of fuels and chemicals
- Easily relocated

## Flameshield® Guideline Specification

### A) General

1. Provide Flameshield® 2-hour 2000° Fire tested double-wall aboveground storage tanks.

Aboveground Tanks for Flammable and Combustible Liquids.

### B) Labeling

1. Tanks shall bear the Steel Tank Institute Flameshield® identification label.
2. Aboveground tanks shall bear Southwest Research Institute 97-04 label.

3. Integral secondary containment shall be testable and provide access for interstitial leak detection monitoring.

4. UL 142 listed supports shall be used for all horizontal, rectangular and vertical tanks. Supports are designed for seismic loading, if necessary.

### C) Product Description

1. Tanks shall be manufactured in accordance with Steel Tank Institute Flameshield® Standard for Aboveground Tanks.
2. Aboveground tank primary and secondary containment (inner and outer walls) shall be manufactured in accordance with Underwriters Laboratories UL 142, Standard for Steel

### D) Manufacturer

1. Manufacturer shall be a licensed member company of the Steel Tank Institute and subject to Steel Tank Institute's Quality Assurance program.

Use the STI Technology Guide online for your next Flameshield® Specification!



All you need in tanks !

