

The Flameshield®

fire-resistant

aboveground storage

tank is manufactured

with a tight-wrap

double-wall design.

FLAMESHIELD®

Tested by SwRI to Comply with NFPA 30A-2000
Fire-Resistant Tank Requirements



Standard features

include tested

2-hour fire resistance,

built-in secondary

containment and

interstitial monitoring

capability.



*Economic
Fire-Resistant
Design*

- Tested by Southwest Research Institute to SwRI 97-04 requirements for fire-resistant tank performance
- Complies with NFPA 30A-2000, Code fire-resistant tank requirements
- Horizontal, vertical and rectangular designs available
- Double-wall design offers integral secondary containment which can be tested for tightness on site throughout tank life
- Diked design also available
- Interstitial space can be monitored for leak detection

*Meets or Exceeds NFPA 30A-2000, Edition Code Requirements
for Fire-Resistant Tank Construction!*

NFPA 30A-2000, Section 2-4.5(a)
states that a fire-resistant tank:

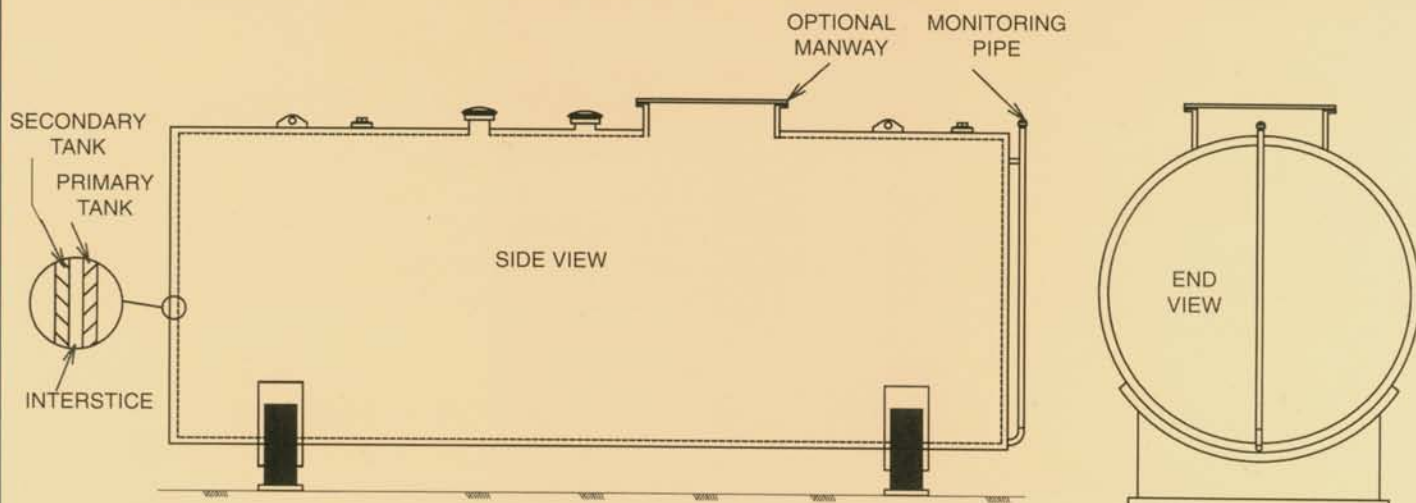
"...shall prevent release of liquid, failure of the primary tank, failure of the supporting structure, and impairment of venting for a period of not less than 2 hours when tested using a fire exposure that simulates a high intensity pool fire..."

- Support designs available for all seismic zones
- Primary storage tank and secondary containment compatible with a wide range of fuels and chemicals
- Built to nationally-recognized STI standards with strict third-party quality control inspection program
- Customized compartments can be provided for cost effective multi-product storage
- Capacity ranges 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-Resistant Double-Wall Aboveground Storage Tanks



- STI Flameshield® and SwRI 97-04 labels
- 300° or 360° outer wall for secondary containment
- Variety of approved supports available
- Capacity ranges up to 50,000 gallons
- Easily relocated

Flameshield® Guideline Specification

A) General

1. Provide Flameshield® fire-resistant, double-wall aboveground storage tanks.

B) Labeling

1. Tanks shall bear the Steel Tank Institute Flameshield® fire-resistant, double-wall identification label.
2. Aboveground tanks shall bear Southwest Research Institute label for fire-resistant tank.

C) Product Description

1. Tanks shall be manufactured in accordance with Steel Tank Institute Flameshield®, Standard for Aboveground Fire-Resistant Tanks.
2. Aboveground tank primary and secondary containment (inner and outer walls) are

manufactured in accordance with Underwriters Laboratories UL 142, Standard for Steel Aboveground Tanks for Flammable and Combustible Liquids. Integral secondary containment provides testability and access for interstitial leak detection monitoring. Approved supports are used for all horizontal double-wall tanks.

3. (If needed) Supports are designed to meet choice of seismic zone 1-4.

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!

