

FLAMESHIELD™



Modern's STI-Flameshield™ Aboveground Horizontal Storage Tanks



Standard Features Include:

- 2-Hour Fire Tested Performance
- Built-in Secondary Containment
- Interstitial Monitoring Capability



MODERN WELDING CO., INC.

1 800 922 1932

www.modweldco.com

FLAMESHIELD™



Fire-Tested aboveground storage tank is manufactured with a tight-wrap double-wall design

SwRI Test Validates that Non-Insulated Tanks can Survive 2-Hour 2000° Fire Test



If your project is required to follow NFPA 30 or 30A guidelines... Check with your area “Authority Having Jurisdiction” related to maximum allowable tank capacity for the class fuel being stored and secondary containment requirements.



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
- 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

- 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 75,000 gallons



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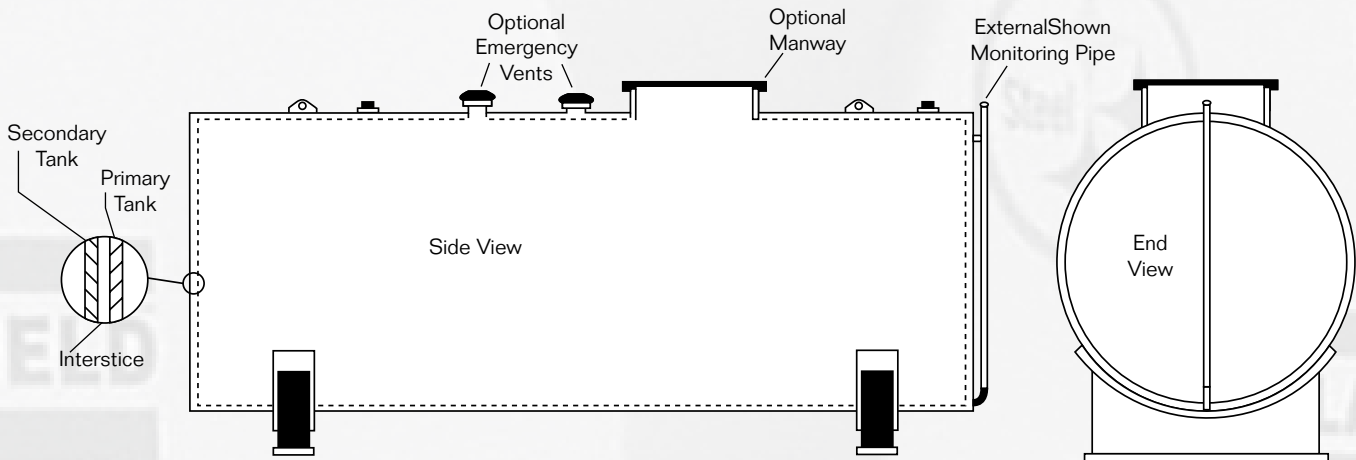
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Flameshield™ Fire-Tested Double-Wall Aboveground Storage Tanks



- Carries STI Flameshield™ and SwRI 97-04 labels
- 300° to 360° outer wall for secondary containment
- Variety of approved supports available
- Capacity ranges: up to 75,000 gallons
- Easily relocated

Flameshield™ Guideline Specification

A) General

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

B) Labeling

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

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 Aboveground Tanks for Flammable and Combustible Liquids.

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.

D) Quality Assurance

1. Modern Welding Company Subsidiaries are licensed members of the Steel Tank Institute and subject to Steel Tank Institute's Quality Assurance program.



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