

FLAMESHIELD[®]



Modern Welding Company, Inc.

Toll Free: (800) 922-1932

Phone: (270) 685-4400

modweldco.com

Why Flameshield®?



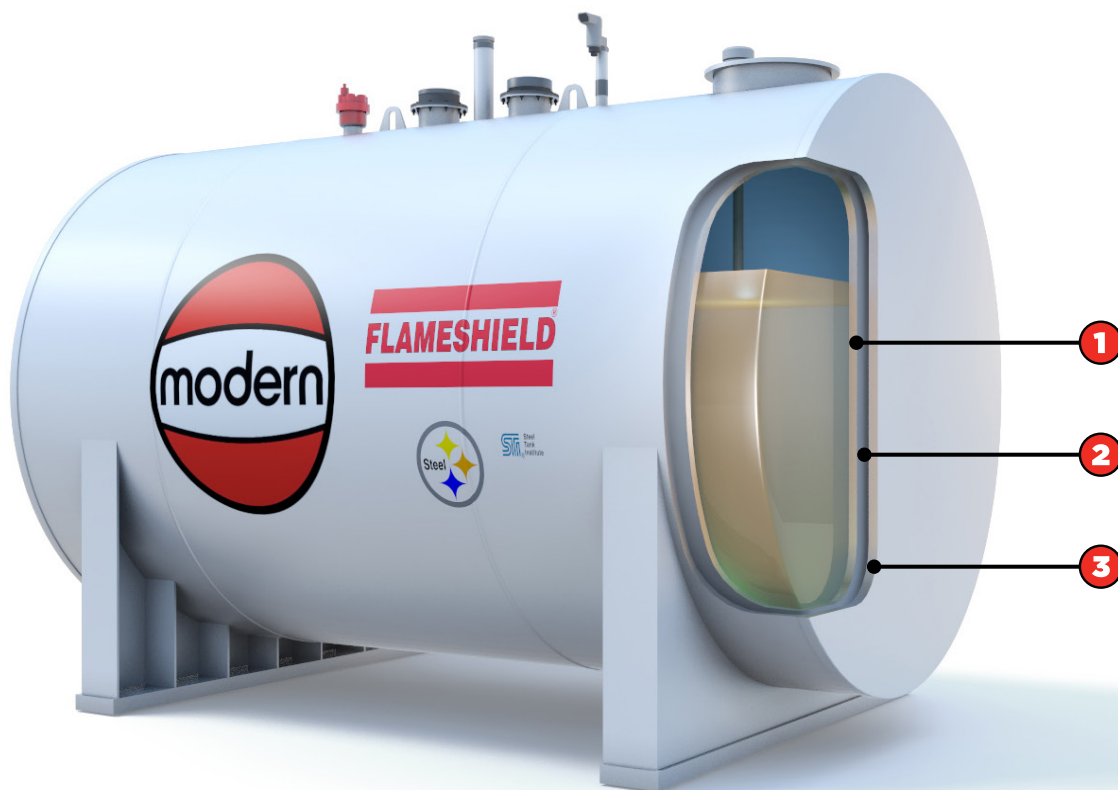
FLAMESHIELD® Fire-Tested aboveground storage tank is manufactured with a tight-wrap double-wall design.

Features

- 2-Hour 2,000° fire test, as required by Southwest Research Institute Standard SwRI 97-04, validates performance of non-insulated tanks
- Horizontal, vertical, and rectangular designs available
- Tanks can be tightness tested on site, or manufacturer may ship with vacuum in the interstice to prove integrity of both walls during installation
- 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

This Tank Can Take the Heat

- Carries STI Flameshield® 2-Hour Fire tested double-wall aboveground storage tanks
- Customized compartments available
- 300° to 360° outer wall for secondary containment
- Easily relocated
- Interstitial space can be monitored for leak detection
- Variety of approved supports available
- Capacities range up to 50,000 gallons
- 30 Year limited warranty



1 **Steel Primary Tank
Built to UL standards**

2 **Interstitial Space**

3 **Steel Secondary Tank
Built to UL standards**

If your project is required to follow NFPA 30 or 30A guidelines, check with your Authority Having Jurisdiction (AHJ) related to maximum allowable tank capacity for the class fuel being stored, secondary containment, and tank setback requirements.

FLAMESHIELD®

Guideline Specifications

A - General

- Provide Flameshield® 2-hour 2,000° Fire tested double-wall aboveground storage tanks.

B - Labeling

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

C - Product Description

- Tanks shall be manufactured in accordance with Steel Tank Institute Flameshield® Standard for Aboveground Tanks.
- 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.
- Integral secondary containment shall be testable and provide access for interstitial leak detection monitoring.
- 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

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

FLAMESHIELD™ SPECIFICATIONS — CYLINDRICAL DESIGN

| GALLONS | NOM. DIAMETER | NOM. LENGTH |
|---------|---------------|-------------|
| 300 | 38" | 6'-0" |
| 560 | 48" | 6'-0" |
| 1,000 | 64" | 6'-0" |
| 2,000 | 64" | 12'-0" |
| 3,000 | 64" | 18'-0" |
| 4,000 | 64" | 24'-0" |
| 4,000 | 96" | 10'-8" |
| 6,000 | 96" | 16'-0" |
| 8,000 | 96" | 21'-4" |
| 10,000 | 96" | 26'-9" |
| 12,000 | 96" | 32'-0" |
| 10,000 | 120" | 17'-0" |
| 12,000 | 120" | 20'-6" |
| 15,000 | 120" | 25'-6" |
| 20,000 | 120" | 34'-6" |
| 25,000 | 120" | 42'-9" |
| 30,000 | 126" | 46'-6" |
| 25,000 | 126" | 38'-10" |
| 40,000 | 144" | 47'-4" |
| 50,000 | 144" | 59'-4" |

Tank lengths listed above are based on nominal inner tank dimensions. Overall tank lengths will vary during actual manufacturing.



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Subsidiaries Nationwide

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