



FLAMESHIELD®

FIRE-TESTED ABOVE GROUND TANKS

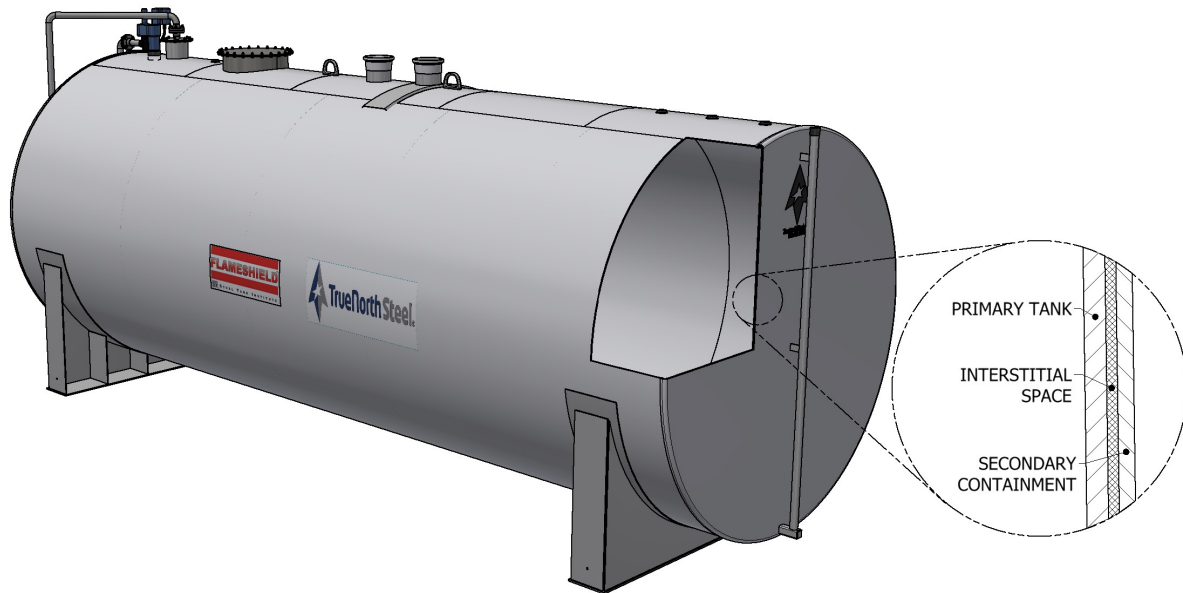
WHY CHOOSE TRUENORTH STEEL'S FLAMESHIELD®?

Flameshield above ground storage tanks are manufactured with a tight-wrap double-wall design. Standard features include 2-hour fire-tested performance, built-in secondary containment and interstitial monitoring capability.

- **SUSTAINABLE:** Steel construction allows for recycling
- **TESTABLE:** Primary and secondary tank can be tightness-tested on-site with standard testing procedures. Tanks can be shipped under vacuum upon request
- **COMPATIBLE:** Primary storage tank and secondary containment compatible with a wide range of fuels and chemicals
- **HIGH-PERFORMING:** 2-hour 2,000° fire test, as required by Southwest Research Institute Standard SwRI 97-04, validates performance of non-insulated tanks
- **COST-EFFECTIVE:** Low-cost compartments
- **CUSTOMIZABLE:** A variety of sizes, compartment options, and integral support types are available
- **MONITORABLE:** Interstitial space can be monitored for leak detection
- **QUALITY-CONTROLLED:** Built to nationally-recognized STI standards with a strict third-party quality control inspection program
- **SUPPORTIVE:** Support designs available for all seismic requirements
- **CAPACITY:** Capacities range up to 30,000 gallons

Unlike other manufacturers, TrueNorth Steel can supply accessories including FE Petro® submersible pumps, dispenser platforms, overfill prevention valves and fill piping, fillboxes, OSHA ladders, stairs, walkways, and handrails.





FLAMESHIELD® GUIDELINE SPECIFICATIONS

A) GENERAL

- Provide Flameshield 2-hour 2,000° fire tested double-wall above ground storage tanks.

B) LABELING

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

C) PRODUCT DESCRIPTION

- Tanks shall be manufactured in accordance with the Steel Tank Institute Flameshield Standard for above ground tanks.
- Above ground tank primary and secondary containment (inner and outer walls) shall be manufactured in accordance and listed with Underwriters Laboratories UL 142 Standard for steel above ground tanks for flammable and combustible liquids.
- Integral secondary containment shall be testable and provide access for interstitial leak detection monitoring.
- Listed supports shall be used for all horizontal, rectangular, and vertical tanks. Supports are designed for seismic loading, if necessary.

D) MANUFACTURER

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

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

FLAMESHIELD® SPECIFICATIONS			
RECTANGULAR DESIGN			
OUTER TANK DIMENSIONS (INCHES)*			
GALLONS	LENGTH	WIDTH	HEIGHT
450	48	44	52
570	60	44	52
910	96	44	52
1,020	108	44	52
1,140	120	44	52
1,360	144	44	52

FLAMESHIELD® SPECIFICATIONS		
CYLINDRICAL VERTICAL DESIGN		
OUTER TANK DIMENSIONS (INCHES)*		
GALLONS	DIAMETER	LENGTH
550	48	72
1000	64	72
4,000	96	132
6,400	132	108
8,500	132	144
10,000	144	144
11,800	144	168
12,600	144	180
15,000	144	216
16,800	156	204
19,500	168	204

FLAMESHIELD® SPECIFICATIONS		
CYLINDRICAL HORIZONTAL DESIGN		
OUTER TANK DIMENSIONS (INCHES)*		
GALLONS	DIAMETER	LENGTH
300	38	60
550	48	72
1,000	64	72
2,000	64	144
4,000	72	228
6,000	96	192
8,000	96	252
10,000	120	216
12,000	120	252
15,000	120	312
20,000	120	420
20,000	132	348
20,000	1444	288
30,000	126	564
30,000	132	504

*Dimensions and weights are sample sizes. Alternate sizes available upon request. Reach out to your TrueNorth Steel sales representative to inquire.



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