TrueNorth Steel®

Fireguard®

Fire-Rated Above Ground Tanks

Why Choose TrueNorth Steel's UL 2085 Fireguard®?

Fireguard® double-wall, fire-protected aboveground storage tanks feature an inner and outer steel tank with a unique, lightweight thermal insulation material that exceeds the UL 2-hour fire test.

- **SUSTAINABLE:** Insulates product from ambient temperature variations, reducing environmental emissions
- **TESTABLE:** Primary and secondary tank can be tightness-tested on-site with standard testing procedures, unlike other designs
- **COMPATIBLE:** Primary storage tank and secondary containment compatible with a wide range of fuels and chemicals, including biodiesel and ethanol
- **COST-EFFECTIVE:** Steel outer wall provides low-cost maintenance and protection from weathering
- **SUPPORTIVE:** Support designs available for all seismic requirements
- **MONITORABLE:** Interstitial space can be monitored for leak detection
- **DURABLE:** Meets temperature requirements when the furnace test was extended to 4 hours

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.

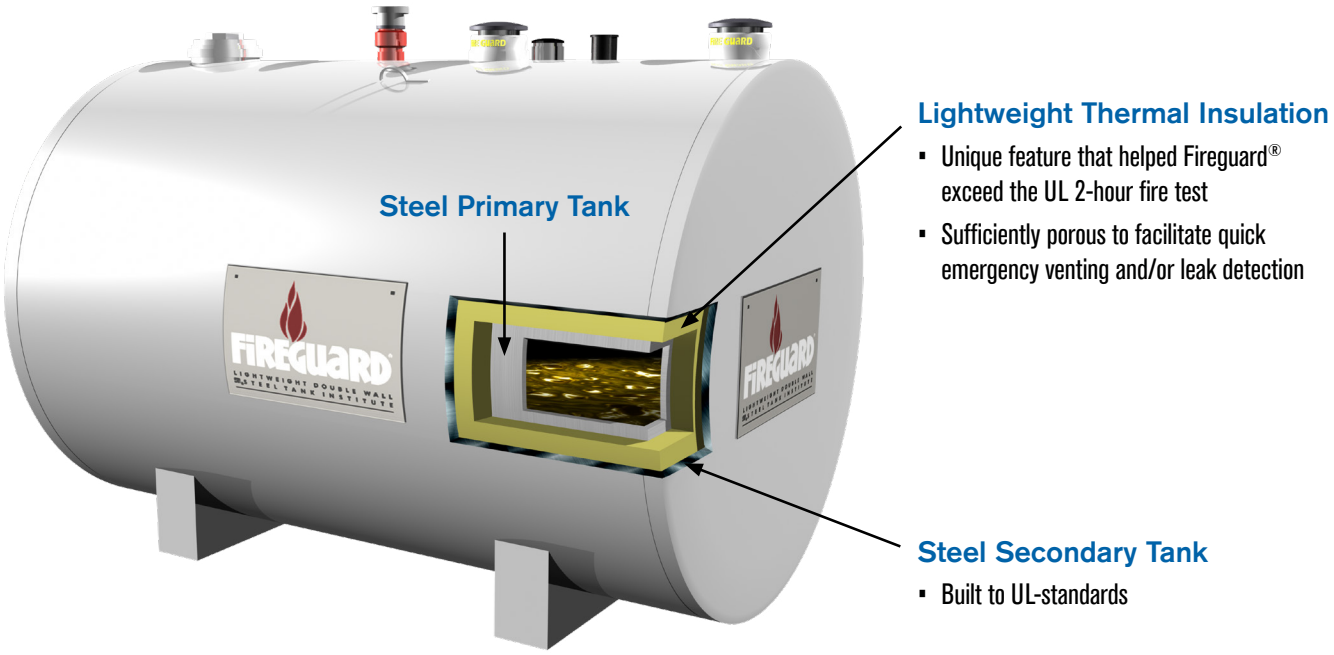
The Only Tank That Meets All of These Standards

- UL 2085 listed "Protected" tank
- Ballistics and impact protection per UL 2085
- Both the inner and outer steel tanks are built to UL-142 standards
- National Fire Protection Association (NFPA) 30 & 30A
- International Fire Code (IFC)
- California Air Resources Board (CARB) Standing Loss
  Control testing requirements for air emissions
- Steel Tank Institute (STI) Standard F941 for protected above ground storage tanks

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

ADDITIONAL FEATURES:

- Capacities range up to 30,000 gallons
- Steel construction allows for recycling
- Low cost compartments and customization
- Built to nationally-recognized STI standards with a strict third-party quality control inspection program



FireGuard® vs. Concrete-Encased Comparison

FIREGUARD®	CONCRETE-ENCASED
Secondary containment is testable on-site using standard, economical testing procedures	Secondary containment on certain designs may require elaborate and expensive procedures to be tested on-site
Impermeable, crack-resistant steel outer tank, which encloses the concrete-encased primary tank	Exposed concrete outer wall is susceptible to cracking, spalling, and weathering – expensive problems not typically covered by warranty
Steel secondary containment provides added strength and security, and is easily recycled	Polyethylene sheeting depends on concrete for strength and takes years to decompose
Lightweight monolithic thermal insulation material Fireguard® uses is a specialized concrete, part of a patented process resulting in a lighter-weight material than concrete alone	An average 12,000 gallon concrete-encased tank weighs approximately 100,000 pounds, increasing costs in transporting and future relocating
Both primary and secondary tanks are fitted with emergency vents that will open in an emergency at a minimum pressure of 2.1 psi	Primary tank is fitted with an emergency vent, but secondary encasement is designed to fail in an emergency

Fireguard® 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.

Fireguard® Specifications

RECTANGULAR DESIGN

Outer Tank Dimensions (inches)*

Gallons	Length	Width	Height	Approx Weight (lbs.)
450	44	44	55	2,100
250 250	117 78	36 50	36 36	3,100 2,800
500	140	51	36	4,800
750	140	72	35	6,100
1,000 1,000	127 88	72 72	36 50	4,300 3,800
1,500	124	88	43	5,400
2,000 2,000	140 140	86 72	50 60	6,300 6,100

*Dimensions and weights are sample sizes. Individual manufacturers may have alternate dimensions.

CYLINDRICAL DESIGN

Outer Tank Dimensions (inches)*

Gallons	Diameter	Length	Approx. Weight (lbs.)
186	48	54	1,750
250	48	68	2,100
300	50	72	2,350
500	60	76	3,100
560	60	84	3,350
1,000	70	78	3,800
1,500	70	114	5,500
2,000	70	150	6,500
2,500	70	186	7,900
3,000	70	222	9,000
4,000	90	174	12,300
5,000	102	168	13,750
6,000	102	198	15,500
8,000	102	258	20,000
10,000	102	330	24,500
12,000	102	390	28,000
15,000	126	312	34,500
20,000	126	414	39,500
25,000	126	516	49,000
30,000	126	618	74,000

STI SPFA®

Designed for Strength. Delivered with Precision.

MADE IN THE USA SINCE 1945

SERVING CLIENTS NATIONWIDE FROM NINE LOCATIONS
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