



FIREGUARD® double-wall fire-protected aboveground storage tank features an inner and outer steel tank with a unique lightweight thermal insulation material that exceeds the UL 2-hour fire test. Insulating material is 75% lighter than concrete, reducing shipping, installation and relocation costs.



Unique Thermal Insulating Material is 75% Lighter than Concrete

FIREGUARD® features:

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

FIREGUARD® 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 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 Thermally Insulated Aboveground Storage Tanks

Additional features:

- Capacities range up to 25,000 gallons
- Fully equipped tank packages
- Low cost compartments and customization
- Built to nationally-recognized STI standards with strict third-party quality control inspection program



Compatible With a Wide Range of Fuels and Chemicals, Including Biodiesel and Ethanol

Available Designs:

- Horizontal
- Vertical
- Rectangular

FIREGUARD® SPECIFICATIONS

CYLINDRICAL DESIGN

Outer Tank Dimensions (inches)*				Outer Tank Dimensions (inches)*			
Gallons	Diameter	Length	Approx. Weight(lbs.)	Gallons	Diameter	Length	Approx. Weight(lbs.)
300	50	72	3,175	5,000	102	169	17,050
500	54	75	3,100	6,000	102	199	19,500
1,000	54	135	5,175	8,000	102	265	24,525
1,500	70	115	6,100	10,000	102	329	29,525
2,000	70	151	7,575	12,000	102	391	33,000
2,500	70	187	9,250	15,000	120	347	39,000
3,000	70	223	10,700	20,000	120	460	43,000
4,000	70	295	13,600				

RECTANGULAR DESIGN

Outer Tank Dimensions (inches)*				
Gallons	Length	Width	Height	Approx. Weight (lbs.)
186	72	30	53	2,900
250	57	48	49	3,500
500	103	48	49	5,300
750	97	60	43	6,200
1,000	115	47	60	5,050
1,000	123	62	43	4,900
1,500	103	82	55	7,500
2,000	135	82	55	10,000
2,500	151	76	65	10,500
3,000	113	96	81	12,000
3,000	169	72	72	13,000
4,000	151	96	79	14,100
4,000	223	72	72	15,200
5,000	286	89	57	21,500
5,000	186	96	79	18,000
6,000	203	96	84	20,000
6,000	223	96	79	20,000
8,000	274	96	84	25,600
8,000	295	96	81	25,600
10,000	296	96	96	36,000
10,000	341	96	84	29,500
12,000	354	96	96	40,000

IS YOUR ABOVEGROUND TANK EVERYTHING IT'S CRACKED UP TO BE?

FIREGUARD®

VS

CONCRETE ENCASED

- Secondary containment is testable on-site using standard, economical testing procedures
- Impermeable, crack resistant steel outer tank which encloses the concrete encased primary tank
- Steel secondary containment provides added strength, security and is easily recycled
- The lightweight monolithic thermal insulation material Fireguard® uses is a specialized concrete that is part of a patented process resulting in a lighter material weight than concrete alone

- The secondary containment on certain designs may require elaborate and expensive procedures to be tested on-site
- Exposed concrete outer wall is susceptible to cracking, spalling and weathering - problems that are expensive to correct and are typically not covered by warranty
- Polyethylene sheeting depends on concrete for strength and takes years to decompose
- An average 12,000 gallon concrete encased tank weighs approximately 100,000 pounds - increasing costs in transporting and setting the tank in a new location



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