THE Strong Company INC.

FIREGUARD®

Fireguard® Premix is a mix of perlite, Portland cement, and proprietary admixtures designed to flow smoothly and fill the entire annulus without using excess water.

Fireguard® Premix is tested from the arrival of raw materials, through each of the processing and blending phases, and finally after the material has been packaged.

Fireguard®'s exterior steel wall provides superior weatherability and low-cost maintenance. Unlike concrete, cracking or spalling will never be a problem.

The lightweight monolithic thermal insulation concrete that Fireguard® uses is a specialized concrete part of a patented process, which results in a lighter material weight than concrete alone.

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

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SPECIFICATIONS

FIREGUARD®

FIREGUARD® SPECIFICATIONS

CYLINDRICAL DESIGN

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

RECTANGULAR DESIGN

Outer Tank Dimensions *(inches)**

Gallons	Length	Width	Height	Approx. Weight (lbs.)
186	44	44	55	2,100
250	117	36	36	3,100
250	78	50	36	2,800
500	140	51	36	4,800
750	140	72	35	6,100
1,000	127	72	36	4,300
1,000	88	72	50	3,800
1,500	124	88	43	5,400
2,000	140	86	50	6,300
2,000	140	72	60	6,100
2,500	140	88	60	7,000
3,000	250	72	50	10,900
3,000	117	102	72	8,800
4,000	331	72	50	14,100
4,000	154	102	72	10,900
5,000	336	72	60	15,600
5,000	191	102	72	13,100
6,000	402	72	60	18,400
6,000	228	102	72	15,200
8,000	370	102	60	21,500
8,000	302	102	72	19,400
10,000	460	102	60	26,300
10,000	376	102	72	23,700
12,000	451	102	72	27,900
15,000	386	102	102	36,500
18,000	462	102	102	42,900
24,700	465	137	102	51,650

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
- Both the primary and secondary tanks are fitted with emergency vents that will open in an emergency at a minimum pressure of 2.5 psi

- 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
- Primary tank is fitted with an emergency vent, but the secondary encasement is designed to fail in an emergency

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