



Forgeweld Fireguard™. The new generation of fire-rated self-bunded fuel storage tanks.

Forgeweld Fireguard™ tanks are specified for the storage of all blends of oxygenated fuels, including methanol.

forgeweld

LEADERS IN STEEL TANK MANUFACTURE, SINCE 1963.



A steel primary containment tank, contained within a steel secondary tank, with a unique, lightweight insulation technology called Steel Tank Institute of America (STI) Ingredient "B", in between. This is the innovative design of Fireguard™ - a technology that is patented by the STI. Forgeweld, a member of the STI, is the exclusive manufacturer and distributor of Fireguard™ in the Southern Hemisphere.



Will last longer

Fireguard™ technology far outstrips that of concrete-encased ASTs. The exterior steel wall provides superior weatherability and low-cost maintenance. Unlike with concrete, cracking and spalling will never be a problem.

75% lighter - lower transport costs

The thermal insulating material is super lightweight - 75% lighter than concrete, it reduces shipping, installation and relocation costs.

Sized to suit your needs

Fireguard™ tanks come in many more size options than most competitive brands, as well as cylindrical or rectangular design, compartmentalised configurations, concrete pad designs for sites in Seismic Zone 4 and tank supports manufactured in accordance with STI's UL Listings.

Fireguard™ exceeds safety standards

Both the primary and secondary tanks are equipped with emergency vents, an important safety feature that reduces the risk of explosion in the event of fire.

Fireguard™ tank technology has proven safety features:

- **UL 2085 Four-hour Fire Rating** - The primary tank has a tested ability to maintain an internal temperature below a specified limit for four hours, reducing the risk of an explosion during a fire.
 - **Ballistics Protection** - A tested ability to prevent penetration of bullets into the primary tank, thereby rendering it ballistics resistant.
 - **Impact Protection** - A tested ability to prevent leakage of the primary tank if impacted by a vehicle, lessening the risk of a spillage.
 - **Hose Stream Resistant** - A tested ability to prevent leakage of the primary tank or damage to the insulation material when impacted with a stream of water (a fire hose) for two and a half minutes, making the storage of flammable liquids safer.
- The tanks are supplied in the dimensions shown above. Deliveries can be arranged.



Compliance

Fireguard™ has been fully tested by the US standards authority Underwriters Laboratory in accordance with UL 2085 and has two listings: both the Fire-resistant Type and Protected Type listing for Insulated Secondary Containment Aboveground Storage Tanks.

South African National Standard (SANS) 10131:2004 allows the use and installation of Forgeweld Fireguard™ Tanks in South Africa.

Choose your options

Forgeweld Fireguard™ ASTs are fitted with top manholes and fittings and bosses to accommodate filling, dipping and suction outlets. Units can be provided with an access ladder or platform.

Top-rated

The primary and secondary tanks of Forgeweld Fireguard™ ASTs are manufactured from South African carbon steel plate complying with Grade 335JR. The external surface of Forgeweld Fireguard™ ASTs is usually white epoxy but this can be modified according to specific customer orders.

Tank dimensions and capacity

VOLUME m ³	IN. DIAMETER mm	OUT. DIAMETER mm	OVERALL LENGTH mm	SHELL THICKNESS mm	CALC. CAPACITY litres	APPROX. WEIGHT kg
4,5	1 805	1 817	1 900	6	4 862	2 585
9	1 805	1 817	3 700	6	9 468	3 674
14	1 805	1 817	5 500	6	14 074	4 848
23	2 318	2 330	5 500	6	23 210	6 785
30	2 318	2 330	7 300	6	30 806	8 762

For more details or to order, please contact your nearest Forgeweld office.

LEADERS IN STEEL TANK MANUFACTURE, SINCE 1963. FORGEWELD'S MISSION IS TO BE A LEADER IN FUEL STORAGE SYSTEMS BY PROVIDING ENVIRONMENTALLY FRIENDLY, INNOVATIVE, COST-EFFECTIVE, INTERNATIONALLY ACCREDITED PRODUCTS AND SERVICES.

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