Aluminium Geodesic Dome

Land & Marine

TANKSERV

Aluminium Geodesic Domes

The Geodesic Dome from TankServ is the perfect solution for many industrial, commercial and public works applications. The inherent design benefits of a geodesic style dome, especially the clear-span feature, ideally satisfies architectural and engineering requirements for water and wastewater treatment, petroleum and petrochemical storage tanks as well as bulk solids storage.

The Geodesic Dome is a fully triangulated, spherical, spaceframe structure designed to be self-supporting from its periphery with primary horizontal thrust contained by an integral tension ring. The framework is covered with attractive non-corrugated aluminium panels.

Provided by the experienced team from Land & Marine TankServ

www.landandmarine.com

Aluminium Geodesic Dome

Maintenance-Free

The Dome Roof is virtually maintenance-free. The design utilises aluminium alloys which have a proven record of being weather resistant and, therefore, never require coating. While other roofing materials may rust, corrode, or suffer from solar degradation, this product remains maintenance-free for the life of the unit.

- **corrosion resistant:** high strength aluminium alloys
- **clear span design**
- **low profile structure:** will aid planning applications
- **will withstand adverse service conditions**
- **minimum maintenance**
- **protects:** stored product from ingress of water
- **excellent alternative:** for the conversion of existing external floating roof tanks into a fixed roof arrangement

Design Versatility

The Geodesic arrangement is custom engineered for the structural and specific design requirements of individual customers. And the last revision of API 650 appendix G. The self-supporting design allows for maximum overhead space utilisation and provides interference-free operation for equipment such as rotating clarifier mechanisms and floating roofs.

There are many optional accessories available such as skylight, vents, dormers, and hatches. Our engineering specialists will custom design these and other accessories to suit customers' particular needs.

Project Planning

We can also assist customers in preparing preliminary budgets, setting initial specification and providing typical drawings for use during the development phases of a project.

For more details on this and other products visit:

www.landandmarine.com

Fabrication

All components are prefabricated to exacting tolerances using computer generated material bills and cutting schedules. Our inspection and quality assurance program facilitates rapid field assembly without schedule upsets. All critical parts are predrilled and, where appropriate, preassembled to eliminate field errors, speed erection and to reduce cost.

Installation

Our trained and experienced supervisors and their field erection crews assemble and erect each Geodesic Dome. Our supervisors are responsible for compliance with all specifications, adherence to schedules, and co-operation with the customers' representative in the field. Since many projects involve some last minute changes, we use only our own supervisors and crews to allow greater flexibility and speedy response.

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- TS - 7 & TS - 9 Foam Filled Seal
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- TS - 16 Servaseal Secondary Seals
- TS - 16 Servaseal Double Seals
- TS - 32 Servaseal Secondary Seals
- TS - 32 Servaseal Double Seals
- Guidepole Sleeves & Vapour Leg Socks
- Internal Floating Covers
- Geodesic Dome Roof
- Roof Drain Systems
- Floating Suction Units
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