

VERSATILE TANKS

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EXPLOSIVE CONCRETE STORAGE UNITS MANUFACTURED BY VERSATILE TANK COMPANY



Versatile Tank Company specialises in the design and manufacturing of Concrete Explosive Storage Units

We offer the magazines in 2 sizes

- 2600mm high x 2400mm wide x 4400mm long weighing 12 ton
- 2400mm x 2400mm x 2400mm weighing 9 ton

Both magazines are a cost effective and time saving alternative to conventional construction.

Explosive storage magazines are designed to provide security for arms, ammunition and explosives.

Explosive storage magazines are fully engineered to provide the strength necessary to support the earth over and against the magazines. Engineer rating of 5kpa per square meter for the flat roof and 2kpa per square meter for the convex oval roof.

The option to bury the units or place mounds against the walls, reduces the explosives safety quantity distance arc and provide additional safety to neighbouring storage magazines.

A specially designed convex roof was innovated especially for the pyrotechnics industry.

This roof is optional and focuses on providing a weakness at the highest arc, should there be an explosion, the weak line in the roof will give way, crumble to small sized debris reducing the possibility of injury and damage.

Magazine shell is constructed of a 50mpa with a high slump, low water content. The concrete is mechanically vibrated, internal structural steel is welded as per AS1554 into a cage and suspended between steel moulds.

This process produces a glass like finish to the unit internally and externally ensuring there is no air entrapment in the concrete. This method also gives the assurance the magazine, along with adequate natural air ventilation, is fully moisture proof.

Note – Elevated temperature and moisture can affect the products over time, along with increasing the degradation and potential failure which may lead to an explosion.

Benefits of using our Concrete Versatile Structural Explosive Storage Magazine

- fully sealed temperature controlled magazine built to the AS2187 standards
- Quick solution for long term storage need.
- Cost effective in comparison to on site construction
- Customised with options to meet unique applications
- Can be utilised outdoor or indoor for permanent or temporary use.
- Concrete composition ensures ideal temperature storage for explosives

Magazines are manufactured to AS2187 as a stand alone high security storage facility for conventional ammunition and explosives, these facilities are for the storage of but not limited to fuses, detonators, small arms, ammunition and pyrotechnics

Standard features of all magazines

- 920 wide access door (pallet wide door or double door additional cost).
- High security lock system
- Hinge side protection prevents door from being defeated by removing hinge
- Heavy duty strap door hinges
- 10mm thick steel door fitted with 3 bar locking device
- Six lever safe lock is fitted
- White exterior protective high grade painted finish
- Full ventilation if storing ammunition and high level explosives - Basic air ventilation in front and rear of units for pyrotechnics industry and certain classifications of explosives (price difference)
- Complete with full signage/markings as required.
- Earthing terminals fitted for lightning protection
- All steel painted with barrier rich paint, no opportunity for rust.

IF WE CAN BE OF ASSISTANCE
PLEASE GIVE US A CALL ON 1300 783 344

E: INFO@VERSATILETANKS.COM.AU

W: WWW.VERSATILETANKS.COM.AU

Versatile by name Versatile by nature