

Versatile Tanks – Quality Concrete Explosive Storage Units

Versatile Tanks specialise in the manufacture of concrete explosive storage units.

The Versatile Tank Company manufactures three different sized explosives storage units for explosives storage, fireworks storage, and ammunition storage. Our structural magazines are a cost effective and time saving alternative to the conventional construction. Explosive storage magazines are designed to provide security for arms, ammunition, and explosives and to protect against accidental explosions.

Versatile Tanks offer the option to place natural earth over and against walls of the magazines.

The Versatile Explosive storage magazines are fully engineered to support applied loads of up to 5kpa per square meter. Having the option to bury the units or place mounds against the wall reduces the explosives' safety quantity distance arc and provides additional safety to neighbouring storage magazines. The versatile concrete structure is manufactured in our factory using high slump 50mpa concrete design mix that is mechanically vibrated in our seamless reusable mould. The way our units are manufactured enables us to produce a unit that has a glass-like finish internally and externally. This glass-like finish has no air entrapment in the concrete, and along with frequent leak testing we can offer the assurance that the unit has added protection against moisture. Vandalproof steel ventilation is provided in the door to allow airflow into the unit. The roof-mounted height adjustable vent enhances circulation by drawing airflow throughout the magazine.

- Quick solution for long term storage needs
- Cost effective when compared to conventional on-site construction
- Customised with options to meet unique application
- Can be utilised outdoors or indoors for permanent or temporary use
- Fully compliant with AS2187 standards

All magazines manufactured to the AS2187. This specification serves as a stand-alone high security storage facility for conventional ammunition and explosives. These facilities are for the storage of, but are not limited to, fuses, detonators, small arms ammunition and pyrotechnics.

Explosives Storage Magazine Standard Features:

- 920mm wide access door complete with 3 heavy gauge steel hinges.
- 10mm thick steel door fitted with a 3 bar locking device.
- Six lever 'Ross safe lock' is fitted.
- Wall ventilation systems above the door and rear wall are fitted. Ventilation is manufactured as per AS2187.
- Fireworks may be classified as explosives of Class 1.1G, 1.2G, 1.3G, 1.4 G or 1.4 S. In the storage of these explosive classifications there may only be a need to have minimal ventilation, i.e. front and rear of magazine for air circulation to reduce moisture build-up.
- Any steel exposed internally is fully coated using 12mm thickness timber lining.
- Concrete construction: Manufactured interior has 75mm thick non-combustible insulation to facilitate a lower internal temperature to assist with a longer product/ordnance shelf life.
- A computerised key register by segura corp.
- Magazine front white external protective finish or colour of choice.
- Complete with full signage/markings as required.
- Earthing terminals fitted for lightning protection.
- It is noted that most pyrotechnic compositions for fireworks are easily ignited and are sensitive to stimuli such as heat, friction, impact, compression and static electricity. Buildings used for the manufacturing and storage of explosives must include walls and roofs that minimise the formation and projection of high velocity debris, if an explosion should occur. Mounding against the walls of our magazines can be considered a way to mitigate the effects of detonation.
- All Versatile Tanks explosives magazines are manufactured to comply with the relevant requirements of the Australian Standard: AS2187.1

For more information please contact 1300 783 344, email info@versatiletanks.com.au or visit the website www.versatiletanks.com.au.

