

# Hazero Outdoor Dangerous Goods Stores – An Overview

## What are Outdoor Dangerous Goods (DG) Stores?

Many workplaces only carry small amounts of dangerous goods, which means they can be safely and compliantly stored indoors, in most cases within dedicated indoor storage cabinets. While larger amounts can be stored inside, this is often prohibitive as it mostly requires the construction of very costly, purpose-built, fire-rated rooms.

For most workplaces storing larger containers (200L drums, 1,000L IBC's) or larger overall quantities, of dangerous goods, the most effective solution is to store them outdoors, in a dedicated DG Store.



## What are the requirements of an Outdoor DG Store?

Within the Health and Safety at Work (Hazardous Substances) Regulations 2017, there are 4 types of stores where you can hold your dangerous goods, which in summary are:

- **Type A:** an external area, that is secured and designated for hazardous substances
- **Type B:** a framed building that is designated for hazardous substances, with non-combustible cladding and secondary containment
- **Type C:** a building designed for hazardous substances, with a fire resistance rating of 120/120/120 minutes
- **Type D:** a building designed for hazardous substances, with a fire resistance rating of 240/240/240 minutes, with a reinforced concrete roof

The Hazero range of outdoor dangerous goods stores are classified as Type B, which suits the majority of situations across New Zealand worksites. Type C and D buildings may be required for high volumes of flammable liquids, particularly in cases where space is an issue, and the store is required to be in close proximity to a building or boundary.

## Why do I need an Outdoor Store and what are the benefits?

An outdoor store is required in situations where the quantity of hazardous substances held onsite, is more than what can be safely stored within indoor storage cabinets.

Having an outdoor store can also benefit a business that wants to reduce risk or limit access to their substances and have them stored further away from production or operational areas.



*Hazero Outdoor DG Store – 160L, 250L, and 500L*

## What are the differences between an indoor store and outdoor store?

The main difference is their capacities. Taking Class 3 (flammable) substances for example, you can only store up to an aggregate of 250L within your indoor flammable cabinet, and the most you can have in one area or floor, is 750L – which equates to 3 x 250L cabinets.

An outdoor store can hold many times more than that. However, it is important to remember that the more you hold within your outdoor store, the further it has to be located from your building or site boundary.



### Why should I choose this model?

The new Hazero Outdoor DG Stores are brand- new solutions: designed from the ground up and specifically around our requirements for safely storing hazardous substances. They are designed and fabricated right here in New Zealand to the tough and demanding conditions that our climate and industries require.

Their genius is in their simplicity to set up and install, and their flexibility to suit the ever-changing requirements of your worksite.



*Hazero Outdoor DG Store – 1000L*

### Size options

We've designed the range to cover the widest scope of requirements. Starting with the single door 160L, this and the next size up, the 250L, are ideal for segregating smaller amounts of dangerous goods by holding them outdoors. From there we move up to the 500 and 1,000L models, which can take up to 200L drums. The beauty of these is that while it can hold a large drum, the adjustable/removeable shelf system means you can also store smaller containers at the same time – either alongside or even above.

Next up are two models that will hold either a pallet or two of 200L drums, or the larger 1,000L IBC units. Then finally, the largest units – 1,800L or 3,600L – are designed for users that have unprescribed or varying requirements when storing DG's outside. Anything from pallet loads of batteries, small 20L drums of oil, through to IBC's of waste product, these stores have the versatility to get you sorted in no time at all.



*Hazero Outdoor DG Store – 1800L*

### What are the ventilation requirements?

Ventilation is an important requirement for outdoor stores holding hazardous substances. The Hazero Outdoor DG Stores come with large vented panels, providing great airflow keeping temperatures low, particularly during the warmer times of the year.

### What are the maximum storage quantities?

The storage limitations of the store is set by the sump capacity of the store. You will need to determine the aggregate quantities of the different Classes of substances you have on hand, and the necessary level of secondary containment that is required for that amount.

You can find more details on secondary containment requirements for the different Classes [here](#).

### Where should I put my Hazero Outdoor DG Store?

The location of your store and the distance it must be from a protected place, e.g. building, boundary etc, is determined by the aggregate amount you have, and what Class or Classes of substance. More details of the separation distances, relative to the product stored, can be found in Schedule 12 of the Health & Safety at Work (Hazardous Substances) Regulations 2017 – or be free to ask a Hazero representative for help.

### What signage does my Hazero Outdoor DG Store need?

Hazard signage is necessary on the outside of your DG Store and needs to clearly depict the substance class (or classes) held within. Hazero DG Stores come with a pack of some different hazard decals, but it is user responsibility to ensure the correct decals are affixed to the store once located.



*Hazero Outdoor DG Store – 1800L*

The larger units (1800 & 3600L) come with a Safety Data Sheet (SDS) holder affixed to the outside of one of the doors, which allow the user to safely house the SDS relating to the substances held inside.

### What do I need to know about incompatible substances?

The secondary containment areas of these stores are one shared space, meaning that the substances stored above, must be compatible and not react with each other, should they mix in the containment area below.

### What can I store in a Hazero Outdoor DG Store?

These stores can be used for almost all Classes of substances, providing they are not held with other non-compatible products and the relevant signage, secondary containment and separation distance requirements are met.

### How do I assemble a Hazero Outdoor DG Store?

While some of the smaller stores come pre-assembled and while key components are already made-up, most Hazero Outdoor DG Stores will require some assembly. These steps are made simple and can be easily followed by the supplied instruction sheets.

What assembly is necessary, requires no specialist tools or equipment – although for the larger stores, we do recommend having at least 2 able-bodied persons on hand during assembly. Our support team are always on hand to step through any assembly questions you might have during installation.



### The Hazero Shield of Honour

In another world first (and best!), the Hazero Shield of Honour is more powerful than a “lifetime guarantee”. It means our reputation is on the line not only when a product is sold, but every

single time it is used. If the product doesn't meet your requirements over the next 99 years, we or our descendants (we're a multi-generational company), will refund, replace, or repair it. Free of charge.

You don't need a receipt. Or even a reason. No questions asked. Naturally, that's so long as you use your Hazero product only for good, and as intended.

Shield your people. Shield your business. Find out more [here](#).

### Creating safer working environments

We want you to have the best products, the safest work place and to help protect your environment and community. Whatever way suits you best.

At Hazero our mission is zero hazards. Our extensive range of quality products will help you store, contain and control and clean-up dangerous goods and hazardous substances.

View our full range of Hazero Outdoor DG Stores [here](#).

### Need help creating a safer working environment?

Contact our team today on 0800 688 844 or email us at [help@hazero.co.nz](mailto:help@hazero.co.nz). Our team are also available for on-site assessments across New Zealand, click [here](#) to request a site visit.

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