



# SECONDARY CONTAINMENT

TO PREVENT HARM FROM HAZARDOUS SUBSTANCES, TO PEOPLE AND THE ENVIRONMENT



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# TABLE OF CONTENTS

<b>SECONDARY CONTAINMENT</b>	3-5	Foreword
	6	Drive Over Bunding
	7-9	Drum Containment
	10	Outdoor Hardtop Containment
	11	IBC Tank Containment
	12-13	Portable Containment
	14-15	Other Containment and Accessories

Businesses use products with hazardous properties (hazardous substances) on a daily basis. Goods that are flammable, corrosive, explosive, toxic, oxidising or ecotoxic are useful because of their hazardous properties i.e. petrol that didn't ignite wouldn't be a very useful fuel for vehicles.

However, because of their properties, hazardous substances can cause serious harm to people and the environment and additional care must be taken when storing, handling and disposing of these substances.

Dalton International is dedicated to "Preventing harm from hazardous substances, to people and the environment". We do this every day by working towards our Vision of being New Zealand's leading provider of safety solutions for businesses working with hazardous substances.



## WHAT IS SECONDARY CONTAINMENT

A system or systems that enables users to contain and recover liquid substances or those substances likely to liquefy in the event of a fire. When your primary container fails or is punctured, your secondary containment is what stops the liquid from running out the door, mixing with incompatible substances, creating an unnecessary slip hazard, or simply makes recovery and clean up much easier and cheaper.

A secondary containment system can be achieved in numerous ways including:

- Bunding across a warehouse doorway
- Bunding in front of racking
- The use of spill pallets
- The use of spill decks
- Purpose built concrete bunds
- Double skin tanks
- A mix of any or all of the above.

## DESIGNING YOUR SECONDARY CONTAINMENT SYSTEM

When designing your secondary containment system there are a number of things you will need to take into account:

01

### HOW MUCH ARE YOU LOOKING TO CONTAIN?

The Hazardous Substance Regulations – Dec 2017 set out the thresholds at which secondary containment is mandatory and how much you're required to contain. The containment amounts vary depending on the class of hazardous substance, the size of the containers and the total pooling potential. However, it is worth remembering that regardless of thresholds and containment amounts set out in the Hazardous Substance Regulations, the Resource Management Act (RMA) has made it an offence to discharge ANY amount of hazardous substance onto the land or water so best practice is to contain all the liquids you use or store.

02

### SHOULD I USE SECONDARY CONTAINMENT EVEN IF I HAVE A SMALL AMOUNT OF HAZARDOUS SUBSTANCES?

Because discharging even a small amount of hazardous substances into the environment is an offence under the RMA it's best to contain all liquids. Using secondary containment also means you minimise the chance of a spill becoming a slip risk, coming in contact with incompatible substances or damaging other stock or equipment.

03

### WHERE SHOULD I PUT MY SECONDARY CONTAINMENT?

The closer you can get to the primary container the less chance there is of spills coming in contact with incompatible substances or creating a slip hazard. For example placing drums on a spill pallet ensure that leaks or spills end up in the pallet below rather than spreading across the warehouse floor. However, if you store large amounts of liquids it may not be cost effective to place these all on spill pallets. In this case placing bunding in front of rack or across the warehouse door way may be a better option.

04

### WHAT SHOULD MY SECONDARY CONTAINMENT BE MADE OF?

Secondary containment systems can be made of various materials but the main thing to ensure is that they will be able to contain the liquid in the event of a spill or leak. Common materials used include, concrete, steel, plastic and polyurethane.

05

### HOW WILL YOU GET CONTAINERS ON AND OFF YOUR SPILL PALLETTS?

Standard spill pallets stand anywhere from 25-45cm high which means you need to have a forklift to get drums on and off. In some cases where space is limited such as small rooms or around production lines this may not be practical. In these cases a low profile spill deck system is likely to be a better option as drums can be rolled up by hand or with a stack trolley.

06

### DO YOU NEED ACCESS TO DRUM TOPS?

If you're decanting into drums or drawing off from them, then making sure the drum tops are at an easily accessible height will be important. In these circumstances low profile spill decks or spill deck bladder systems will be the way to go.

07

### WHAT IF MY SECONDARY CONTAINMENT IS OUTSIDE?

Often secondary containment needs to be outside to contain fuel tanks or large stationary containers. Where possible it's best to have a roof or cover that stops rainwater filling the secondary containment bund. The Ultra Hardtops are useful for storing drums, IBCs and other small containers outside as they have built in containment and a roller top that keeps the rain out. For outdoor concrete bunds that fill with rainwater you may need to install an Ultra Self Bailer that allows rain water to leave the bund while filtering any hydrocarbons that may be present.

08

### WHY NOT JUST USE SPILL KITS?

Spill kits are certainly a useful tool for cleaning up spills when they occur but secondary containment offers a number of advantages including:

- It operates 24 hours a day, 7 days a week, even when you're at home asleep
- You only need to buy it once. If you have a spill you simply empty the spill clean out the residue then your secondary containment is ready to go again.
- Recovery of spill liquids is easier and in some cases may be able to be re-used.
- Although the initial expense may be more over the life of the product (usually 10+ years), secondary containment normally works out more cost effective.

09

### HOW DO I KNOW I'VE MET ALL MY LEGAL OBLIGATIONS WHEN IT COMES TO SECONDARY CONTAINMENT?

A test certifier is an independent person approved to issue test certificates. A test certificate confirms that individuals, sites or containers are compliant with the regulations. [www.worksafe.org.nz](http://www.worksafe.org.nz) is also a good source of information include a basic calculator that allows you see what controls you need to put in place to meet your obligations.

10

### WHERE CAN I FIND MORE INFORMATION?

Our website [www.dilnz.co.nz](http://www.dilnz.co.nz) contains a wealth of information

[www.epa.govt.nz](http://www.epa.govt.nz) is a useful source of information about known chemicals including what their hazard classifications are as well as a list of approved test certifiers.

[www.worksafe.govt.nz](http://www.worksafe.govt.nz) has lots of information and guides that are useful to let you know what you're required to do around hazardous substances.

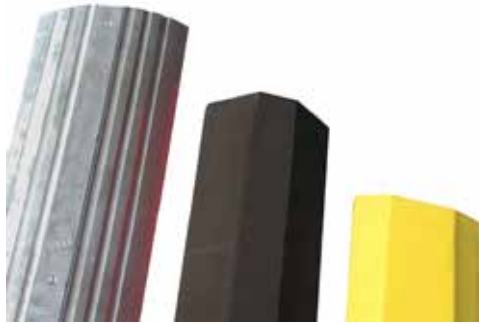
[www.legislation.govt.nz](http://www.legislation.govt.nz) allows you to search Acts and Regulations including the "Health and Safety at Work (Hazardous Substance) Regulations 2017" which set out exactly what your legal requirements are in relation to secondary containment.

Of course you can always call **Dalton International Limited on 0800 323 223**, and speak to one of our technical experts.

## ULTRABUND®, ALUMINIUM AND EVA BUNDING



CODE	DESCRIPTION	DIMENSIONS (MM)		
		LENGTH	WIDTH	HEIGHT
STDB150	SpillTech UltraBund® 150	1000	150	25
STDB150CNR	SpillTech UltraBund® 150 Corner	197	197	25
STDB200	SpillTech UltraBund® 200	1000	200	32
STDB200CNR	SpillTech UltraBund® 200 Corner	245	245	32
STDB-1K5	SpillTech UltraBund® 5m Install Kit, 30 x anchor Dynabolts, 8 spacers, 3 x tubes of adhesive sealant			
STDBDYNA	SpillTech UltraBund® Dynabolts 10mm x 55mm (need 5 per 1m length)			
STDBS	SpillTech UltraBund® 5mm spacers			
STDBGLUE	ADOS MS Grey Adhesive Sealant 400g			



**Spilltech Aluminium Bunding** - Extra Heavy duty bunding, ideal for high traffic areas and containing flammable liquids.

**SpillTech EVA Foam Bunding** - Light duty for low and no traffic environments.

CODE	DESCRIPTION	DIMENSIONS (MM)		
		LENGTH	WIDTH	HEIGHT
STAB33	SpillTech Aluminium 1.2m	1200	185	33
STAB33-IK	Install kit for 1 length including 4 x anchor bolts, 4 x finishing plate screws, 1 x tube adhesive sealant			
STEVA20	SpillTech EVA Foam Bunding Black 20mm	2000	140	20
STEVA20Y	SpillTech EVA Foam Bunding Yellow 20mm	2000	140	20
STEVA20C	SpillTech EVA Foam Bunding Black 20mm Corner	500	500	20
STEVA20YC	SpillTech EVA Foam Bunding Yellow 20mm Corner	500	500	20
STEVA40	SpillTech EVA Foam Bunding Black 40mm	2000	140	40
STEVA40Y	SpillTech EVA Foam Bunding Yellow 40mm	2000	140	40
STEVA40C	SpillTech EVA Foam Bunding Black 40mm Corner	500	500	40
STEVA40YC	SpillTech EVA Foam Bunding Yellow 40mm Corner	500	500	40
STEVAGLUE	Ados F22 - 500ml with applicator (adheres up to 7 x 2m bunds)			
STEVAGLUE1L	Ados F22 - 1L (adheres up to 14 x 2m bunds)			
STEVAGLUE4L	Ados F22 - 4L (adheres up to 56 x 2m bunds)			

## ULTRA-SPILL DECKS

UltraTech spill pallets and spill decks are designed to provide cost effective secondary containment for drums and smaller containers. Capture spills and leaks at the source to avoid pollution of the surrounding environment, damage to stock or unnecessary slip risks. Modules are easily connected together with flow-through bulkhead fittings to allow an unlimited number of configurations.



- Polyethylene construction meets a wide range of chemical compatibility needs.
- Low Profile height (14.6cm) offers safe and convenient loading/unloading of drums.
- Applications include hazardous waste collection, storage of virgin chemicals, drum dispensing and battery storage.
- Optional loading ramps provide added drum handling safety and convenience.
- All Ultra-Spill Decks offer slip-resistant grating to reduce slip hazards.



CODE:	DESCRIPTION	DIMENSIONS	UNIFORMLY DISTRIBUTED LOAD	CONTAINMENT CAPACITY	WEIGHT
U1321	1 Drum Spill Deck	657mm x 657mm x146mm	681KG	42L	10KG
U1086	2 Drum Spill Deck	1321mm x 657mm x146mm	1361KG	83L	18KG
U1072	4 Drum Spill Deck	1321mm x 1321mm x 146mm	2722KG	167L	32KG
U1131	Ultra-Spill Deck T-Strip				
U1073	Bulkhead Fittings				
U2317	Bladder Attachment				
U6340	Replacement Bladder				
U1089	Ultra-Spill Deck Ramp				

# DRUM CONTAINMENT

## ULTRA-SPILL DECK BLADDER SYSTEM

All the benefits of a low profile spill deck, including easy loading and unloading of drums and better access to drum tops. PLUS a hidden bladder which automatically unfurls to capture large spills giving an additional 250L of containment. Made of 100% polyethylene construction.



CODE:	DESCRIPTION	DIMENSIONS	CONTAINMENT CAPACITY
U1320	1 Drum Spill Deck with bladder	657mm x 775mm x 146mm	292L (41L in the deck + 250L in the bladder)
U2329	2 Drum Spill Deck with bladder	1321mm x 775mm x 146mm	333L (83L in the deck + 250L in the bladder)
U2330	4 Drum Spill Deck with bladder	1321mm x 1438mm x 146mm	417L (167L in the deck + 250L in the bladder)

## ULTRA-SPILL PALLETS

Ultra Spill Pallets capture leaks and spills. 100% polyethylene construction is resistant to a wide range of chemicals and won't rust or corrode. Non-slip grating is easily removed for inspection or clean up. Forklift pockets allow easy placement.



CODE:	DESCRIPTION	DIMENSIONS	UNIFORMLY DISTRIBUTED LOAD	CONTAINMENT CAPACITY	WEIGHT
U2504	2 Drum Spill Pallet	1346mm x 737mm x 419mm	681KG	250L	29KG
U1230	4 Drum Spill Pallet	1295mm x 1295mm x 254mm	2722KG	250L	41KG



## OVERPACK DRUMS

Special containment units that meet or exceed the stringent UN guidelines for the transport of damaged hazardous liquid drums. Comes in two sizes to fit either 20 or 200 litre containers. Perfect for use with damaged containers or as a precautionary measure when transporting hazardous substances.

(Other sizes available on indent)

U0587



U0580



CODE:	DESCRIPTION	CONTAINMENT CAPACITY	WEIGHT
U0587	Ultra-Overpack 76L	76L	5.5KG
U0580	Ultra-Overpack 360L	360L	22KG

## ULTRA-RACK SUMP

Polyethylene warehouse rack containment sump keeps dangerous and costly spills off the floors, equipment and inventory.

CODE:	DESCRIPTION	CONTAINMENT CAP.
U2395	Ultra-Rack Sump	250L

IMAGE:



## ULTRA-DRUM TRUCKS

Drum handling, dispensing and containment in one unit. Rugged polyethylene construction offers excellent chemical resistance. Large pneumatic wheels roll easily over shop and factory floors.

CODE:	DESCRIPTION
U1310	Ultra-Drum Truck

IMAGE:



# OUTDOOR HARDTOP CONTAINMENT

## ULTRA OUTDOOR HARDTOP CONTAINMENT

Store IBC tanks and drums outside with the IBC Hardtops or Drum Hardtops. Polyethylene construction is resistant to rust, corrosion and a wide range of chemicals. Hardtops have a combination of roll top and swing out doors allowing easy access for forklifts.



CODE:	DESCRIPTION	CONTAINMENT CAPACITY	WEIGHT
U9640	Ultra 1 Drum HardTop Plus	265L	34KG
U9612	Ultra 2 Drum HardTop Plus	250L	118KG
U9636	Ultra 4 Drum HardTop Plus	284L	200KG
U9658	Ultra 4 Drum HardTop Extender Kit	284L	171KG
U1162	Ultra IBC HardTop Plus	1382L	239KG
U1148	Ultra Twin IBC HardTop Plus	2025L	484KG
U0676	Ultra Polyethylene Loading Ramp (for U9612 or U9636)	n/a	19.5KG

## ULTRA-IBC SPILL PALLET



Ultra IBC spill pallets offer a range of benefits that make them stand head and shoulders above the competition.

- 100% polyethylene construction won't rust or corrode and is chemically resistant
- Load bearing capacity is greater than 3.5 tonne allowing double stacking of IBCs
- Wide platform makes easy positioning of IBC's and forklift pockets for easy positioning of pallet

CODE:	DESCRIPTION	CONTAINMENT CAPACITY	WEIGHT
U1157	IBC Spill Pallet Plus	1363L	147KG
U1140	Twin IBC Spill Pallet	2025L	205KG

## ULTRA-MODULAR IBC CONTAINMENT



Low cost spill containment for multiple IBC tanks. Low profile for easy and safe access to the top of IBC tanks. "Flow Through" connections allow spills to share capacity across all pallets. Expansion tanks available when additional capacity is required.

CODE:	DESCRIPTION	CONTAINMENT CAPACITY	WEIGHT
U1125	2 Pallet + 2 Expansion tanks	1060L	141KG
U1126	3 Pallet + 2 Expansion tanks	1344L	198KG
U1127	4 pallet + 1 Expansion tank	1382L	241KG
U1128	5 Pallet	1419L	284KG
U9630	Spill Pallet Plus (Pallet Only)	284L	57KG

## IBC CONTAINMENT ACCESSORIES

CODE:	DESCRIPTION
U1117	Bulkhead Fitting



CODE:	DESCRIPTION
U1159	Pullover Cover



CODE:	DESCRIPTION
U1124	Expansion Tank



CODE:	DESCRIPTION
U1160	Bucket Shelf



# PORTABLE CONTAINMENT

## ULTRA CONTAINMENT BERM - RAPID RISE

Sidewalls remain down during normal operations, loading and unloading, minimising trip hazards. In the case of a spill the foam ring around the top perimeter of the Containment Berm rises with the level of the spilled liquid.



U8437

Custom Sizes Available on request

CODE:	DESCRIPTION	DIMENSIONS	CONTAINMENT CAPACITY	COPOLYMER 2000 WEIGHT
U8431	Rapid Rise Model	1829mm (L) x 1829mm (W) x 305mm (H)	1018L	17KG
U8432	Rapid Rise Model	3048mm (L) x 3048mm (W) x 305mm (H)	2831L	31KG
U8437	Rapid Rise Model	7925mm (L) x 3658mm (W) x 305mm (H)	8831L	68.5KG

**OPTIONS:** Ground Tarps, Track Belts, Pullover Covers and Self Bailers

## ULTRA CONTAINMENT BERM - STAKED WALLS

Stake Wall Model Containment Berms feature a unique design that allows the sidewalls to collapse in either direction and spring back automatically to their upright position. Roll drums over the sidewalls, drive trucks through them, and the sidewalls always return to vertical without assistance.



U8210

Custom Sizes Available on request

CODE:	DESCRIPTION	DIMENSIONS	CONTAINMENT CAPACITY	WEIGHT
U8209	Stake Wall Model	1800mm (L) x 1800mm (W) x 305mm (H)	1018L	22KG
U8210	Stake Wall Model	3000mm (L) x 3000mm (W) x 305mm (H)	2831L	42KG
U8222	Stake Wall Model	3000mm (L) x 12200mm (W) x 305mm (H)	11326L	121KG

## ULTRA CONTAINMENT WALL

Modular, hard-walled system provides long-term, high capacity spill containment. Heavy-duty, 30 mil, textured polyethylene liner provides rugged, impermeable barrier to capture leaks and spills. Versatile system can be easily disassembled for reuse at future sites. Unlike some containment systems, the Ultra-Containment Wall is not secured to the substrate so it is perfect use in parking lots, sand, rocky soil, muddy soil, frozen soil or on concrete areas.



CODE:	WALL HEIGHT & DESCRIPTION	DIMENSIONS	WEIGHT
U8760	0.3 m - Straight Section	3048mm (L) x 305mm (W) x 305mm (H)	15KG
U8761	0.3 m - Corner Section	559mm (L) x 559mm (W) x 305mm (H)	4KG
U8762	0.6 m - Straight Section	2540mm (L) x 610mm (W) x 610mm (H)	32KG
U8763	0.6 m - Corner Section	889mm (L) x 762mm (W) x 610mm (H)	12KG
U8764	0.9 m - Straight Section	1829mm (L) x 610mm (W) x 914mm (H)	27.5KG
U8765	0.9 m - Corner Section	762mm (L) x 762mm (W) x 914mm (H)	16.5KG
U8770	30 ml Textured Polyethylene Liner	Custom (per sq. ft./m)	4.85KG per m <sup>2</sup>

### COMPLETE SYSTEMS:

CODE:	WALL HEIGHT	USABLE DIMENSIONS	ITEM QUANTITY	CONTAINMENT	WEIGHT
U8790	0.3 m	14900mm (L) x 3000mm (W) x 300mm (H)	12-Straight, 4-Corners, 1-Liner	15058L	342KG
U8791	0.3 m	20700mm (L) x 20700mm (W) x 300mm (H)	28-Straight, 4-Corners, 1-Liner	131740L	937.1KG
U8792	0.6 m	16800mm (L) x 4900mm (W) x 600mm (H)	18-Straight, 4-Corners, 1-Liner	51921L	826KG
U8793	0.6 m	19200mm (L) x 19200mm (W) x 600mm (H)	32-Straight, 4-Corners, 1-Liner	227462L	1564.9KG
U8794	0.9 m	16800mm (L) x 4900mm (W) x 900mm (H)	24-Straight, 4-Corners, 1-Liner	54268L	978.4KG
U8795	0.9 m	18600mm (L) x 18600mm (W) x 900mm (H)	44-Straight, 4-Corners, 1-Liner	316392L	1795.3KG

# OTHER CONTAINMENT & ACCESSORIES

## ULTRA UTILITY AND SPILL TRAYS

**Ultra Utility Trays** made of heavy duty polyethylene construction will not rust or corrode. Ribbed bottom keeps containers elevated above spills and leaks. Nestable for easy storage when not in use. **Ultra Spill Trays** safely stores bottles, beakers and other labware, which makes decanting of small quantity of liquids safer, cleaner and more manageable.



CODE:	DESCRIPTION	DIMENSIONS	CONTAINMENT CAPACITY	WEIGHT
U1031	Ultra Utility Tray	305mm x 1219mm x 121mm	45L	3.5KG
U1032	Ultra Utility Tray	610mm x 1219mm x 121mm	91L	5KG
U1033	Ultra Utility Tray	762mm x 1219mm x 121mm	113L	5.5KG
U1034	Ultra Utility Tray	610mm x 914mm x 121mm	68L	3.5KG
U1035	Ultra Utility Tray	914mm x 914mm x 121mm	102L	5KG
U1060	Ultra Spill Tray	432mm x 305mm x 102mm	6.5L	2.5KG

CODE:	DESCRIPTION
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U1006	Pull Over Cover - 4 Drum
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IMAGE:
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CODE:	DESCRIPTION
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U1016	Pull Over Cover - 2 Drum
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IMAGE:
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CODE:	DESCRIPTION
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U2430	Ultra Stacking Shelf - Yellow
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IMAGE:
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## FUNNELS, SELF BAILERS AND ULTRA SPILL BERM

**Bung Access Funnels** turn your whole drum top in to a funnel. **Ultra Burp-free funnel** screws into the bung eliminating rocking while pouring and the built in snorkel allows air to vent to stop burping. The **Ultra Spill Berm** seals off spills from drains and doorways. **Ultra Self Bailers** passively filter hydrocarbons from rainwater in outdoor containment products and bunds.



CODE:	DESCRIPTION	SPECIFICATIONS	WEIGHT
U0482	Ultra Funnel - Bung Access	23L containment capacity	4KG
U0484	Ultra Funnel - Bung Access with Hinged Lid	23L containment capacity	6KG
U0651	Ultra Funnel - Burp Free with Hinged Lid (For Drums)	n/a	1KG
U0656	Ultra Funnel - Burp Free with Hinged Lid (For IBC's)	n/a	3KG
U2100	Ultra Spill Berm - Orange	3048mm x 102mm x 58mm	14KG
U2104	Ultra Spill Berm Carry Case	n/a	484KG
U9935	Self Bailer Standard	29L per hour flow rate	1KG
U9936	Self Bailer - Replacement Filters	n/a	n/a

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