



# Enclosed IBC Bund

Installation Manual  
ENIBCB

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## A TRUSTED PARTNER

After a quarter of a century, Polymaster now stands as the industry standard in liquid storage. Why? Because we deliver more than a product. We deliver a promise. We are relied upon to store, secure and safeguard on behalf of our customers.

## SOLUTIONS DELIVERED AT EVERY SCALE.

Whether it's a humble backyard water tank, complex chemical storage or vital firefighting equipment, we take on the responsibility our customers put in us because we know we have the unrivaled experience to deliver.

We may be known for our tanks. What we provide is engineered perfection.

Our holistic solutions are creative, considered and customised. Integrated, state-of-the-art and end-to-end, to meet specific problems. Best of all – they work. We have thousands of customers, businesses, government departments and entire communities to prove it. Today, we continue to be proactive, investing time and energy into the role our technology will play in years to come. We're proud to be at the forefront of the industry, ahead of the curve and leading the way. At Polymaster, together, we hold the future.

## WE'RE AUTHENTIC

A proud Australian business since 1994, we've earned an industry leading reputation through reliable products and honest, trusted, and dependable service. We listen to our clients, and we respond with quality solutions which will help them to thrive. Because at the end of the day, their business is our business.

## WE'RE PRECISE

From our meticulous process to our extensive distribution network and after-sales support, every part of the Polymaster experience is carefully considered. The result? Precision designed products manufactured to perfection to do the job, and a holistic end-to-end service with complete care for guaranteed satisfaction.

## WE'RE INNOVATIVE

We embrace each new challenge as a way to improve our products and our services. Known for thinking outside the square, we bring our collective creative smarts to every opportunity, disrupting conventional wisdom and delivering with energy and expertise. Every day, in every way, we go above and beyond.

## QUALITY ASSURANCE

Our tanks undergo rigorous testing to ensure quality. This includes hydrostatic testing, and ultrasonic thickness testing to ensure the material we're using is the correct thickness. For our impact testing, a sample from each tank is frozen and impact is applied from a specified height.

## RESEARCH & DEVELOPMENT

We're always innovating – with a range of polymers designed to store any type of chemical or liquid. Our polymer chemists are here to help you determine which type of material to use.

## ENGINEERING

Working closely with your engineering teams, our own highly skilled engineering personnel are ready to assist with all mechanical, polymer and chemical related requirements.

## PROJECT MANAGEMENT

Our dedicated project managers take full control of all our industrial projects to ensure they stay on time and within budget, as well as providing you with the convenience of a single point of contact.

At Polymaster our highly experienced project managers have an in-depth knowledge of industrial projects.

## MANUFACTURING CAPABILITIES

From processing our raw materials through to the finished product's final fit-out, we have control over the entire manufacturing process to ensure absolute quality is upheld at every stage.

## DELIVERY

Polymaster tanks can be delivered direct to site. We arrange specific delivery times to suit your timetable and on-site requirements.

## SERVICE

Supplying the complete package from design and engineering right through to manufacturing. We arrange the fit out of dosing systems and much more, so you don't need to deal with multiple suppliers. We offer on-site maintenance and inspections post installation to ensure everything continues to run as smoothly as possible.

## AUSTRALIAN STANDARDS

Polymaster is certified to ISO9001 International Standards and undertakes regular audits from third-party auditors. Our tanks are certified to the Polyethylene tank standard for water & chemicals – AS/NZS 4766:2006 for 1SG, 1.5SG and 2SG. This means that every tank is independently tested & certified to SAI Global's AS/NZS 4766 standard and labelled to display manufacturing details and serial number for complete traceability.

## ABOUT PRODUCT

Polymaster supplies a wide range of bunded chemical storage solutions with storage capacities up to 30,000 litres. Our Industrial grade bunds are Australian made and certified to provide safe storage of diesel, oil, solvents, chemicals and other hazardous liquids.

Our Enclosed IBC Bund prevents leakage of the liquid and provide a safe and modular solution for storing fluids.

The station offers outdoor storage, at a safe distance from building and hazard zoned areas. High resistance against mechanical impact and protection against frost and heat due to the material and construction methods employed.

Made to suit the Australian climate, your Enclosed IBC Bund has been made to a high standard ensuring optimum safety and functionality.

Outstanding features and benefits:

- Built tough using the highest quality materials
- Easy installation (plug and play)
- Fully self-bunded
- Ideal for industrial and commercial IBC storage and handling
- Portable
- Wide variety of applications

By following the installation requirements, this tank will give you many years of trouble-free service. **PRODUCT IS PATENT PENDING.**

## GENERAL HEALTH AND SAFETY

- Installation and use of this product should only be carried out by properly trained and approved personnel.
- This manual contains important information concerning the safe installation and use of this product. Read the manual carefully before installation and use, paying attention

to all safety warnings.

- Users of this product are responsible for the safe and correct use of this product.
- Any changes to this product, which have been done without consulting the manufacturer, will invalidate all warranties and guarantees.
- The manufacturer will not be responsible for any accidents or damages caused by incorrect installation or use of this product.
- Polymaster recommends that customers assess the suitability of chemicals being stored with the materials used in the construction of this product.
- The components must not be altered or tampered with due to potential risks to personnel.
- It is the responsibility of the end user / customer to ensure appropriate PPE, health and safety measures, safe work practices are employed in conjunction with the use of this product.
- If present, control boards are not suited for use in areas where there may be risk of explosion.
- End user must check hoses and fittings prior to use.
- Take care when using product in windy conditions, doors have large surface area and may be hard to control in windy conditions.

## TRANSPORT & STORAGE

These instructions should be read in their entirety before commencing installation.

- A. DO NOT TRANSPORT WITH LIQUID INSIDE.**
- B. The Enclosed IBC Bund must be protected against mechanical damage during transport and storage.
- C. Loading and off-loading must be carried out using only professional equipment, e.g. a forklift with extended forks. The covers, sockets or other protruding

elements, which are not designed for lifting or moving the station must not be used to lift or move the station.

- D. The product must never be pushed or rolled.
- E. During transport and storage, the doors must be tightly closed and secured.
- F. Loading and transport areas must be smooth and free of sharp edges. During transportation, the product must be secured to prevent the product from moving.

## MATERIALS USED IN THE CONSTRUCTION

**PE** – Polyethylene

**PP** – Polypropylene

**PVC** – Polyvinyl Chloride

**SS** – Stainless Steel (door hardware)

## INSTALLATION INSTRUCTIONS

1. These instructions should be read in their entirety before commencing installation of the Enclosed IBC Bund.
2. For all tank installation and maintenance, please take into consideration Health & Safety/Local Building Regulations.
3. A concrete/bitumen solid base is recommended for installation. If this is not possible the station should be installed directly on a level, secure and non-combustible base. Minimum 45mm in thickness and extending 300mm on all sides.
4. Determine if station needs to be secured in place in exposed conditions. Do not drill holes in the bund.
5. Any penetrations into the housing and/or cabinet for external plumbing or electrical connections Must be above the bund level (bottom of door opening) and be sealed weatherproof.
6. Prior to installing inspect for damage, if damaged do not install.
7. After installation, please ensure that this instruction booklet is left with the end user for future reference.

Enclosed IBC Bund, equipment and accessories are guaranteed for the periods outlined in the warranty section of this document from the date of purchase against faulty materials or manufacture of the tanks, provided that the following criteria are adhered to:

- The guarantee card is returned to Polymaster with evidence of the purchase date.
- The equipment is installed and commissioned in accordance with the instructions outlined in the Installation and User Manual.
- The equipment is installed and commissioned by a suitably qualified engineer.
- The equipment has not been subject to misuse, careless handling, faulty installation, or any repairs attempted or carried out other than by authorized competent service staff
- The equipment has been purchased by the end user and is not for hire purposes.

The unit is to be inspected every 6 months, by a suitably qualified service engineer. Please contact Polymaster to arrange your service. Immediately upon discovery of any defect in the unit, steps are taken to mitigate loss of contents and if necessary, arrange for tank to be drained.

- Immediately upon discovery of any defect you contact the Guarantor and allow a representative to inspect the tank and its surroundings and where necessary carry out any repairs (before any attempts are made to move the tank).
- The guarantee excludes ancillary fittings such as contents measuring gauges or mechanical pumps. Further guarantee information on ancillary fittings and pumps is provided within their respective manuals.

## CARE AND MAINTENANCE

- Keep all equipment in good working condition.
- A daily check should be carried out on the visual condition of the bund, plumbing connections, devices, and power supply if present.
- During loading take care to position IBC centrally on stand to ensure even load distribution, lower the IBC into position - Do Not drag or slide across the load platform.
- IBC change process - close valve on IBC first, allow liquid to drain into hose before closing hose valve, open Camlock and secure hose with care to minimise loss of liquid – change IBC and reconnect.
- Any faults or alarms should be reported to the tank supplier immediately.
- Protect against unauthorised access.
- Transport and store the unit so as not to damage the bund floor or walls.
- If any liquid is present in the bund, determine cause and rectify.
- In the event of a spill, the bund is to be emptied as soon as possible, cleaned, and dried using appropriate equipment, PPE and in accordance with the required legislation.
- Before recommissioning all fittings and fixtures in the bund area are to be cleaned and inspected for serviceability - replace as required
- Spare parts must comply with the requirements of the manufacturer and chemical being stored.
- If the station has not been used for an extended period, it is recommended a thorough inspection is carried out prior to use to ensure the unit is in a serviceable condition.
- Changing the type of liquid being stored, it is recommended that the Daytank and associated hoses and all plumbing to be drained and flushed with an appropriate cleaning agent to minimise chance of chemical contamination and/or reaction.
- It is the end user's responsibility to

determine whether a liquid is suitable for storage using this product.

### **IMPORTANT – IN THE EVENT OF A SPILL**

- If a spill occurs or is detected within the bund, isolate the unit if safe to do so, and notify the site manager (or persons responsible for site operations)
- If a spill occurs within the bund or cabinet, it is important that the unit is removed from use until such a time that a competent person, deems the unit to be fit for use again (this may include the inspection of standard componentry (and non-standard if present) to ensure no degradation of parts have occurred due to the event. )
- Users must note that whilst the product is designed to prevent the escape of contents in the event of a spill, any spill that occurs within the bund is still a serious event. And an appropriate MSDS should be consulted before attempting to clean up the spill.
- Some materials used in the construction of this product may not be suitable for long term immersion in chemicals such as strong acids or alkalis. The cleanup of any spill must include the removal and neutralizing of any strong chemicals, to ensure part degradation does not occur. If degradation does occur, contact Polymaster for the purchase of suitable replacement parts, before putting the unit back into use.

### **WARRANTY**

This guarantee is not valid for the following defects:

Mechanical damaged caused by the user, dealer or improper maintenance.

Faults, damage or premature wear caused by improper use.

Damage caused by third parties.

Repairs carried out by unauthorized service personnel.

Polymaster products are guaranteed against material or manufacturing defect and have the following guarantee period commencing from the date of the invoice:

For polyethylene tanks: 5 years

For accessories/components: 12 months

Excluding Hoses, Nozzles and sensors which are 3 months.



Together we  
hold the future.

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→ 1300 062 064  
→ [polymaster.com.au/engineered-solutions](https://polymaster.com.au/engineered-solutions)

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