



ESTABLISHED 1971

# PRODUCT CATALOGUE 2024

[INDUSTRIALPLASTICS.COM.AU](http://INDUSTRIALPLASTICS.COM.AU)





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Please note, this catalogue is only an introduction to our products. For more information on specific products, please contact our sales team or download brochures from our website.

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A large, dark-colored industrial tank is being transported on a flatbed trailer. The tank is cylindrical and has several circular openings or ports on its side, some of which are covered with clear plastic. The trailer is a multi-axle flatbed with a metal deck and side rails. The scene is set outdoors on a paved surface under a clear blue sky. The overall image has a dark, blue-tinted overlay.

# TANKS

# CYLINDRICAL STORAGE TANKS



Industrial Plastics range of cylindrical storage tanks are vast and we offer custom specifications and features to suit your needs.



Industrial Plastics specialise in creating commercial and industrial tanks. Our team have been designing and fabricating quality tanks for over 50 years. We manufacture a wide variety of HDPE cylindrical storage tanks and custom build to your size and thickness specifications with a large range of features to suit your application. If you are in the market for a cylindrical tank, talk to our experienced sales team to find out more.

## Applications

- Water Storage
- Chemical Storage
- Fuel Storage
- Oil Storage and Separation
- Mining
- Food Industry



# RECTANGULAR STORAGE TANKS



Where size and volume are both a premium, rectangular tanks can offer the best of both worlds.



Limitations on storage area is a constraint for almost any business. This is where a square or rectangle-shaped tank can be the ideal solution. Rectangle storage tanks are particularly useful for indoor installations where space can come at a premium and a rounded design and footprint creates un-usable areas. All Industrial Plastics tanks are custom built using advanced butt-fusion welding technology, meaning we can make your storage idea come to life. Send an inquiry to our experienced sales team to get started on receiving your own rectangular storage tank.

## Applications

- Mining
- Agriculture
- Fuel Storage
- Waste Water Treatment
- Water Storage
- Chemical Storage
- Flow Batteries and Electricity

# INSULATED GLYCOL AND CHILLED STORAGE TANKS



We design and fabricate insulated glycol tanks to our customers in a variety of industries for their heating and cooling systems.



Our insulated glycol and chilled water storage tanks are fabricated to BS/ EN12573 standards, insulated with PE 30, and have a service life of 25 years. The energy efficient tanks are used a variety of industries and establishments throughout Australia. Capacities range from 500 Litres to 45 kilolitres and the insulation material, when paired with cladding, will prevent heat loss or gain, allowing liquid to be stored at a steady temperature while consuming less energy.

## Applications

- Dairy and Meat
- Food and Beverage
- Cosmetic and Oral Hygiene Products
- Breweries and Distilleries
- Cold Storage Facilities
- Pharmaceutical
- Chemical Plants
- Polymer Manufacturing

# SELF-BUNDED TANKS



When your business requires a storage tank to hold hazardous contents, the team at Industrial Plastics are the right people for the job.



A self-bunded tank is a storage tank that has an inner and outer tank with a gap in between. The bunding captures any leakage that may occur from the first tank to ensure the hazardous chemicals are contained. Put simply, it is a tank within a tank and very similar to an IBC Bund but on a much larger scale. These types of tanks are common in any process that requires hazardous materials.

## Applications

The storage of:

- Fuel
- Diesel
- Petroleum
- Petrochemical
- Oil
- Waste Oil



# DUAL-WALLED SODIUM HYPOCHLORITE TANKS



Industrial Plastics has the capability to fabricate a dual walled tank for sodium hypochlorite storage (bleach) solution.



We fabricate dual walled sodium hypochlorite tanks with a design life of 25 years. The twin wall design provides extra safety in the event of a tank failure, which prevents the release of bulk hazardous material. This feature makes it one of the safest options on the market while also increasing its design life. Industrial Plastics use PVC because of its resistance to chemical oxidising, which is required when storing bleach.

## Applications

- Sodium Hypochlorite (Bleach) Storage
- Hazardous/Dangerous Chemical Storage





**CUSTOM FABRICATION  
- INDUSTRIAL**

# LAMELLA CLARIFIERS



Industrial Plastics offer a comprehensive package of lamella clarifiers for water treatment applications.



We offer standard and custom designs for lamella clarifiers. The product removes solid particles from liquids for clarification. Due to our use of HDPE, our lamella clarifiers are corrosion resistant, lightweight and cheaper than steel alternatives. This approach provides extra benefits such as design flexibility while maintaining the same structural strength as a steel design. Our engineers and fabricators can assist in the redesign of the steel clarifiers to be suited for plastic fabrication.

## Applications

- Ground Water Treatment
- Industrial Process Water Treatment
- Municipal Water Treatment Systems
- Scrubbing Applications
- Raw Ore Refinement



# SCRUBBER TANKS



Industrial Plastics manufacture custom wet and dry scrubbers that reduce dust and emissions. Our HDPE scrubbers not only reduce your environmental impact but also increase revenue by selling the byproduct created.



A scrubber is a pollution control device that reduces harmful chemicals such as CO<sub>2</sub> and sulfur dioxide being released into the atmosphere. Testing shows that scrubbers remove 98% of sulfur and 90% of CO<sub>2</sub>, and Australian and State Government legislation require scrubbers in many industrial applications to meet environmental regulations. Scrubbers are also popular because the marketable byproducts created. The sale of end products of scrubbing can offset the cost of installing scrubbers.

There are two types of scrubbers, wet scrubbers and dry scrubbers. Wet scrubbers use water or other chemical liquids to remove harmful pollutants from the emissions, while dry scrubbers use chemical solids in powder form.

## Applications

- Fume Scrubbing
- Air Purification Systems
- Pharmaceuticals
- Manufacturing and Processing Activities
- Chemical Plants
- Pulp and Paper Manufacturing
- Steel and Metal Finishing
- Fertilizer Processing
- Cafe and Bakeries

# AERATION TOWERS



Industrial Plastics manufacture large scale aeration towers for water treatment facilities. Our HDPE aeration towers are the first of its kind in Australia.



Aeration towers are complex cylinder fabrications that are typically used to oxygenate bore water in the process of municipal water supply. These structures are mainly used in water treatment facilities and with the modern day advancement of HDPE material science, in particular PE100 - are a great alternative to older materials like FRP and coated metal. Industrial Plastics know-how has revolutionised the building of Aeration Towers in HDPE PE 100 with water treatment facilities Australia wide now giving consideration to these new cost effective assets.

## Applications

- Water Treatment Facilities
- Mining Applications



# UNDERPANS, CHUTES AND LAUNDERS



We fabricate high quality chutes, underpans and launders for the mining industry.



Launders are plastic holding containers used predominately within the mining industry. The containers move effluent, slurry or other chemical products from one point to another. Chutes are plastic channels that also move slurries and materials but is instead transported from one elevation to another. Both chutes and launders are both fabricated with HDPE plastic and have high abrasion qualities. Launders are most common as it is a more efficient alternative to piping in mineral processing equipment, where chemicals and materials inhibit the use of pipework. We fabricate with HDPE and support the structure with steel frames and encasings.

## Applications

Launders have specialised applications for the mining and resources industry. They include:

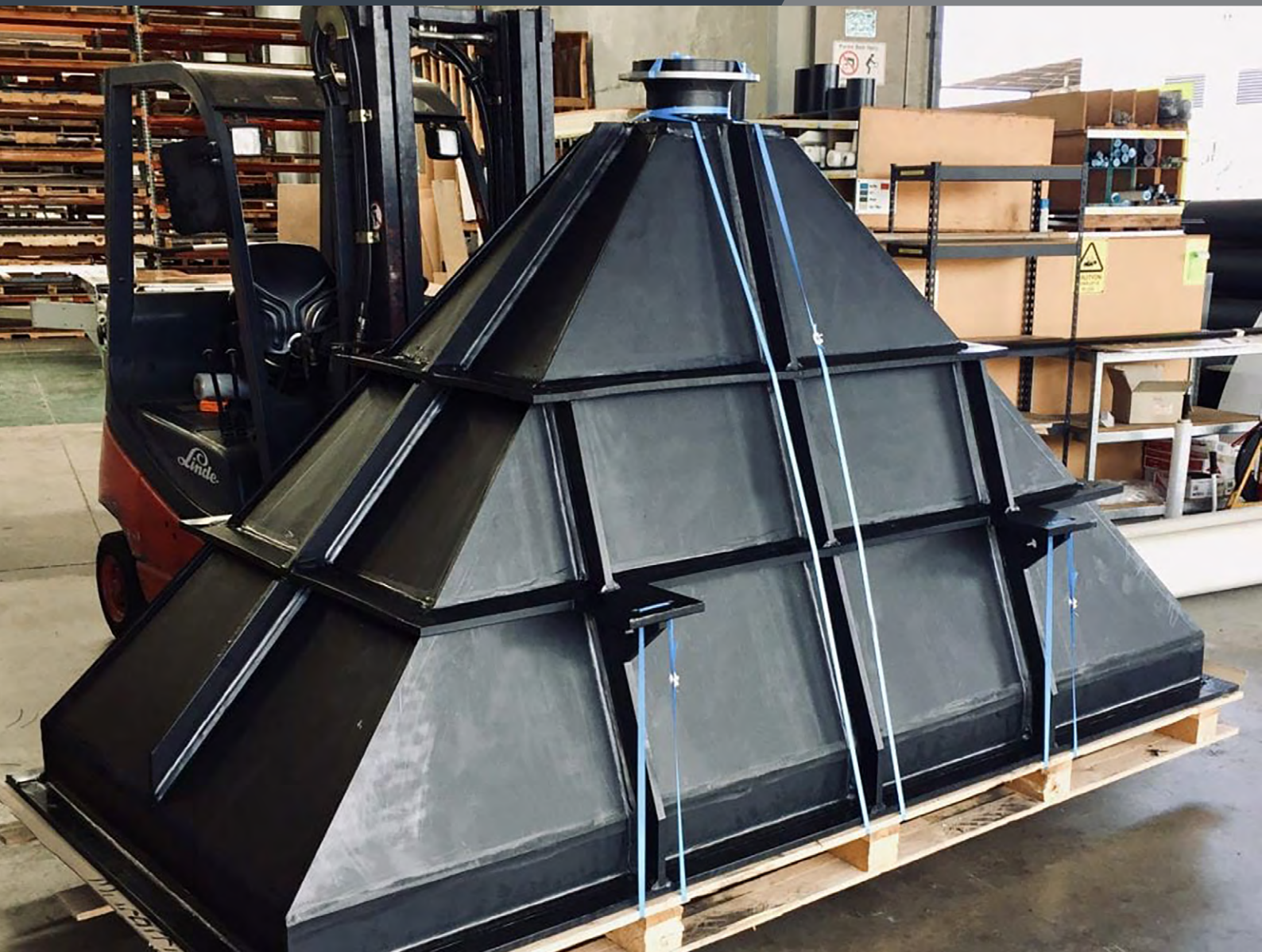
- Slurry Containment and Transport
- Chemical Product Containment and Transport
- Water Containment and Transport
- Powdered Ore Containment and Transport
- Pulp Containment and Transport



# HDPE HOPPER



Industrial Plastics supply custom HDPE hoppers to cater a wide variety of requirements at very competitive prices.



Industrial Plastics can process the design and fabrication of HDPE hoppers for sophisticated projects primarily in the mining and resources sector. The hoppers separate material into a specific section at the bottom. Our sales team will engage with customers about their product specifications to create a successful product to be delivered anywhere in Australia.

## Applications

- Mining
- Energy and Resources
- Water Treatment Facilities
- Food Processing



# FISH BAFFLES



Industrial Plastics manufacture custom fish baffles to culvert fishways.



HDPE Fish Baffles are fixed to the pipe's interior to improve the culvert's conditions and assist fish migration. Furthermore, fish can find shelter from predators between the baffles during low flow, as small pools of standing water are formed. HDPE material is used to customise any size or shape, along with its high resistance and durability to weather and impact over time.

## Applications

- Agriculture and Irrigation
- Water/Marine
- Council planning





**CUSTOM FABRICATION  
- COMMERCIAL**



# MACHINE GUARDS AND COVERS



Industrial Plastics can fabricate complex, custom plastic machine guards.



Plastic machine guards are one of our specialties. We can fabricate many designs for a large range of industrial machinery - whether it is a replacement of a hard-to-get spare or an entirely new design. We recognize the importance these guards play in reducing workplace risks and improving safety. This is why we use advanced technology for our design and fabrication stages. Our engineers, drafters, and fabricators will ensure that the guards we design meet workplace health and safety legislation as well as Australian design standard - AS 4024 safety of machinery.

## Applications

- Mining
- Large Machines
- 2<sup>nd</sup> Hand Machines
- Aftermarket Parts

# PROTECTIVE SCREENS AND SHIELDS



Industrial Plastics has a variety of different protective screens and shields for all purposes.



Promoting workplace health has never been more important. Our protective screens are an effective way to maintain social distancing, ensuring businesses comply with new rules and clients are kept safe. We understand that every industry has a, specific requirement in terms of dimensions, shape and other specs, so our sales team works with you to get the. right product. We use a variety of fabrication techniques (CNC Routing, Beam Saws, line bending, hot air welding) meaning we produce high volume orders to meet urgent requirements.

## Applications

- Medical Practices and Hospitals
- Supermarkets and Pharmacies
- Convenience and Grocery Stores
- Receptions Counters and Office Desks
- Sales Counters and Kiosks
- Cafe and Bakeries
- Clubs and Bars



# AFTERMARKET PARTS



We supply standard replacement parts for popular brands such as Hussmann, Kysor Warren, Heatcraft, Baine Marie, Mc Alpine and Austral.



Industrial Plastics offer custom fabricated solutions for both one off products and continuous lines. For example, we work closely with retail and supermarkets, replacing and creating custom parts for fridges, displays and cases. We provide plastic solutions to any replacement parts made from glass, composites, engineering grade plastics or any other typical materials that plastics can substitute. See our [Aftermarket Plastic Parts Catalogue](#) on the Industrial Plastics website.

## Applications

- Aftermarket Refrigeration Parts
- Guards and Barriers
- Dividers
- Sliding Doors and Lids
- Deli Cases
- Chopping Boards





CNC



# COMPUTER NUMERICAL CONTROL (CNC)



Industrial Plastics is equipped with a CNC Beam Saw, CNC Routers and Laser Routers.



These machines create consistent, high quality plastic components. The CNC Routers cut intricate designs with a high level of detail and precision. Our beam saw can cut large panel work with ease, often using the ability to stack multiple sheets and using fewer cuts therefore saving time and money. Our CNC beam saw can cut large area sheets up to 4400 x 4200.

All routers have tool changing facilities, fitted with multiple heads that are ideal for machining detailed parts and large quantities efficiently and effectively. Digital cutting files (DXF) can be utilised for high accuracy component cutting on our CNC routers, laser cutter, and CNC beam saw. Components can be designed in house using the latest CAD software, or we can convert existing 2D or 3D drawing files to required formats where necessary.

## Applications

- HDPE
- UHMWPE
- Acrylic
- Polycarbonate
- ABS
- Polypropylene
- Other plastic materials



A photograph of industrial pipework, showing several large, dark-colored pipes with flanges and bolts, arranged in a row. The pipes are supported by metal brackets. The background is a light-colored floor with some shadows. The word "PIPEWORK" is overlaid in white, bold, sans-serif font on a blue square in the lower-left quadrant. The pipes have some markings, including "SET A" and "SET B".

# PIPEWORK



Industrial Plastics service all fabricated pipework systems requirements for a variety of industries.



All of our pipework is fabricated to DVS 2007 and ISO 9001: 2015 standards to maximise product performance and ensure that our products exceed our market leading quality guarantee. All pipework is rigorously tested using various methods including pressure testing, spark testing and hydro testing before delivery to site. We have in house pressure and hydrostatic testing capabilities, all certified to ISO 9001:2015.

Common jobs include:

- Pipe spools and sets
- HDPE piping fitting fabrication and HDPE junctions
- Fitting and bolt assemblies (short and long spigot elbows, galvanised backing rings, stub flanges, PP coated backing rings, gaskets, tees)
- Pipe support hangers
- Bended and moulded pipe

## Materials

- HDPE Piping
- High Pressure PE Pipe
- PVC Piping
- PVDF
- Polypropylene

## Applications

- Plumbing
- Energy and Resources
- Water Treatment
- Mining



**INDUSTRALINE**



# GEOMEMBRANE LINER



Industrial Plastics is a distributor of HDPE Pond Liners (Geomembranes) with distribution hubs in Queensland and Victoria, we service the whole of Australia.



HDPE Pond Liners (Geomembranes) are used to create waterproof impermeable barriers. The installation process involves rolling out large, pre-defined, HDPE Liner (Geomembrane) sheets and welding the edges. In doing so you create an impermeable barrier that will keep the given media from leaking into the surrounding environment. We also offer Liner Lite for smaller projects.

## Applications

- Dams
- Landfill Waste
- Landscaping & Agriculture
- Pond & Pontoon Lining
- Drainage
- Road & Railway Construction

Geotextiles are permeable polymeric fabrics that filter, separate, and reinforce applications. It is often used for drainage as well as road and railway construction.



Geotextiles provide filtration, drainage and separation of engineering materials in a variety of construction structures associated with transportation and infrastructure activities. Geotextile materials, when selected appropriately, allow for the replacement of traditional granular filter and drainage layers, providing a significant environmental and economic benefit. The use of geotextiles has gained tremendous acceptance over the last 30 years.

Geotextiles are a relatively inexpensive product that, when designed and installed correctly, can replace traditional granular treatments with significant cost savings, both in aggregate quantities used and traditional labour costs to install such aggregate systems.

## Applications

- Roads & Railway Construction
- Agriculture
- Drainage
- Rivers, Canals and Dam Works



Geocell is a lightweight, expandable panel made from High Density Polyethylene (HDPE) strips which are ultrasonically bonded together to form an extremely strong configuration.



Geocell exhibits the flexibility of articulating permeable pavers with the strength of hardarmored concrete slabs-but with less cross section. This reduction results in a 15-25% cost savings. The integral 3D geocell confinement structure offers additional benefits such as eliminating the need for formwork and reinforcement, assures uniform concrete depth, controls pavement cracking, and helps manage surface water runoff. This makes geocell perfect for big jobs, such as those required by large infrastructure projects and for small projects at home like paving a driveway.

## Applications

- Geomembrane Protection
- Erosion Control and Slope Protection
- Channel Protection and Lining
- Soil and Ground Stabilisation
- Gravity Retaining Walls





# PLASTIC SHEETS



# PLASTIC SHEETS



Industrial Plastics supplies a wide range of wholesale plastic sheets for your business.



With a variety of acrylic colour samples to choose from and a wide selection of plastic sheet, you will find all of the plastic materials and cut-to-size services you need when you work with us.

- Acrylic - options include clear, tint, opal and varied colours
- Polycarbonate - clear, tint and opal
- High-Density Polyethylene PE 100 - natural and black
- PVC - grey, white and clear
- Flexible PVC
- Clear Polypropylene - beige and natural (homopolymer)

## Applications

- Illuminated signage
- Wall Features
- Packaging
- Displays
- Furnishings
- Kitchen Back Splash
- Home Improvement
- Home Decor





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