



duraflo[®]

INDUSTRIAL PIPE SYSTEMS

WATER INDUSTRY PROCESS OVERVIEW

MARKET LEADERS IN WATER INDUSTRY PROCESS PIPE SYSTEMS

OVERVIEW

DURAFLO Industrial Pipe Systems have forged market leadership in water markets by providing a unique suite of benefits and clearly superior performance.

The reliability and versatility of DURAFLO ABS has seen it successfully installed in many of Australia's prime commercial and institutional developments since the 1970s.

The success of this thermoplastic is due to its engineered structure, delivering the chemical resistance of acrylonitrile, the strength of butadiene and the mouldability of styrene. These materials deliver unique attributes that are vital to the long term performance of water pipe systems;

- Corrosion/Scale resistant
- High impact strength
- 50 year design life
- Light weight
- Low thermal conductivity
- Smooth bore
- Low maintenance
- Resilience to water hammer
- UV resistant
- Ease of installation



PRODUCT AND TECHNICAL SUPPORT

DURAFLO provides an unparalleled range of sizes and fittings to complete even the most challenging project.

This expansive range is coupled with innovation and high levels of engineering support throughout the selection, design, installation and commissioning of your pipe system.

Viadux's level of expertise and customer support results in secure project delivery that has been demonstrated time and time again by the large number of successful projects delivered all over the world.

QUALITY ASSURANCE

Viadux's commitment to quality governs its entire offering from the sourcing of inputs, to its manufacturing processes and customer service.

Viadux operates certified manufacturing facilities for its DURAFLO ABS pipes and fittings under the approval of AS/NZS ISO 9001:2000 Quality Management Systems.

DURAFLO Industrial Pipe Systems are also manufactured to AS/NZS 3518:2004 - Acrylonitrile butadiene styrene (ABS) compounds, pipes and fittings for pressure applications.



WATER AND WASTEWATER TREATMENT

DURAFLO® Industrial Pipe Systems are the products of choice for water and wastewater treatment.

In modern treatment plants there are a variety of fluid services which generally have moderate temperatures and pressures. The fluids vary from solids bearing liquids to clean liquids and gases. All of these are invariably highly corrosive to certain other pipe materials.

The DURAFLO Industrial Pipe System's corrosion and erosion resistance, extensive range of fittings, light weight, toughness and competitive pricing make ABS ideal for these applications.

DURAFLO ABS can be used in a number of water and wastewater applications, including but not limited to:

- Raw water
- Filter bank supply and discharge
- Back wash
- Recycled water
- Sludge and grit
- CIP (Caustic)
- Pump stations
- RAS/WAS
- Supernatant
- Screenings
- Agitation air
- RO applications
- Chemical dosing
- Cooling water
- Incinerator scrubber underflow

DESALINATION

The ever-increasing demand for water generated by industry, urban population growth and the changing weather patterns have seen an upsurge in investment in desalination plants.

The most common systems utilise reverse osmosis (RO) - passing sea or brackish water through a membrane filter at very high pressure. RO systems produce two streams, a purified water stream for consumption and a high saline stream for waste flow.

Viadux's non corrodible DURAFLO ABS pressure pipe range is ideally placed to service the inflow to the pumps sets and the high saline outflow.

DURAFLO ABS is equally suited for the purified water outflow. The material is non-tainting and contains no heavy metals which can quickly be picked up by the mineral free water.

ABS can be used in a number of reverse osmosis plant applications including but not limited to:

- Raw water intake
- Primary filtration
- Back wash
- Pump supply
- Permeate stream
- Saline discharge
- Chemical treatment
- Pump station





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