

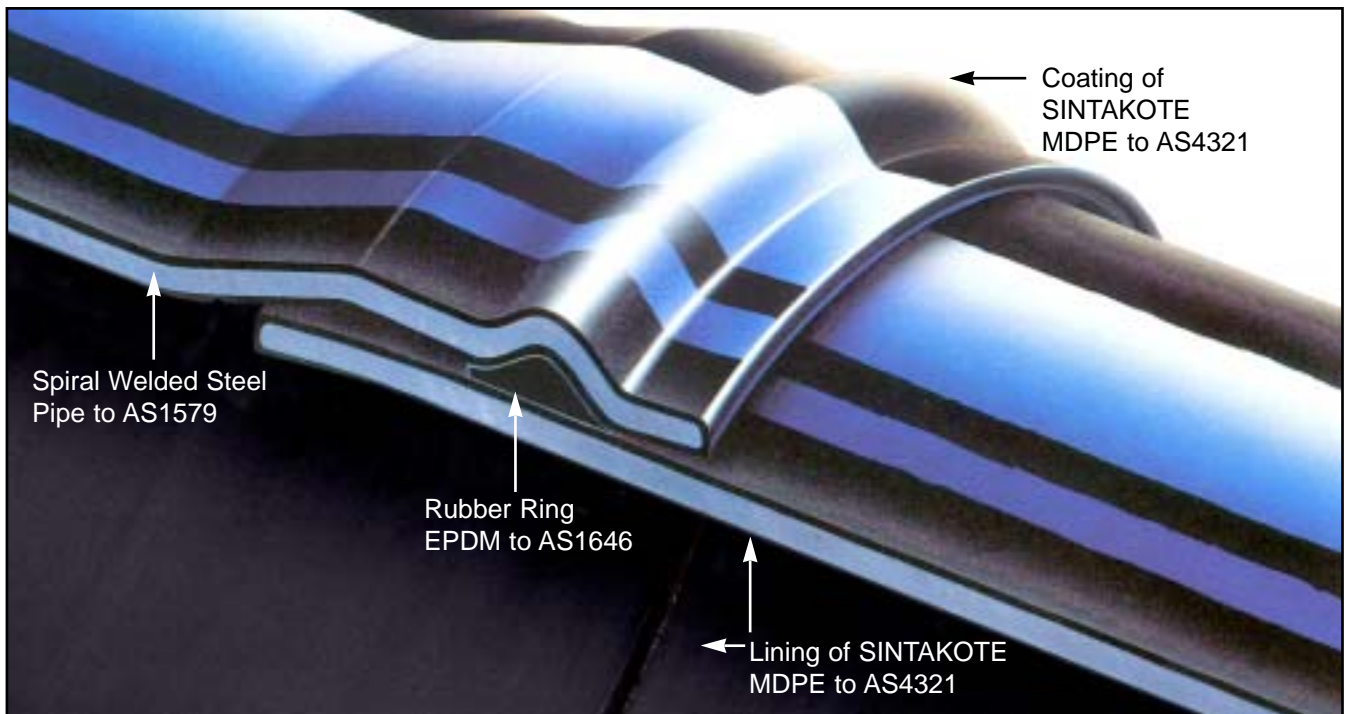


# SINTAPIPE<sup>®</sup> Steel pipeline systems

**tyco** / Flow  
Control

**tyco**  
Water

# SINTAPIPE®



## What is SINTAPIPE?

- Is it a steel reinforced polyethylene pipe, or a steel pipe completely coated and lined in polyethylene? How you think of it will depend on what you need it to do. If you need a pipe to withstand high internal hydrostatic pressure or large external soil/traffic loads, you can consider it to be a steel pipe, with the high hoop and beam strength that steel pipes are known for. If you need a pipe to carry aggressive fluids such as "pure" water, then think of it as an inert polyethylene pipe, which will neither affect the fluid nor be effected by the fluid, yet have the hoop and beam strength of steel pipe.

## Why should you use it?

- **Longevity** – The steel pipe will not suffer from creep or fatigue and will not lose strength over time. The polyethylene coating and lining is expected to protect the steel from corrosion for over 100 years!
- **Hydraulic Capacity** – The large, smooth bore provides better flow capacity than other similar pipe systems.
- **Versatility** – Bends, branches, tapers are all made to suit your requirements. The strength of the pipeline is not compromised, with branch reinforcement fitted if required.
- **High Pressure Reserves** – Being able to withstand operating pressures of up to 6.8 MPa, it has plenty of capacity to adapt to any future demand for

greater flows than expected.

- **Construction Savings** – The patented SINTAJoint rubber ring jointing system gets you "miles" ahead of any welded or coupling joined pipes. No wrapping or patching of joints is involved, simply push the joint together and start on the next pipe.

## Where has it been used?

- SINTAPIPE has been manufactured by Tyco Water for over 10 years.
- It has been used for strategic applications with –
  - o High quality R.O. treated water
  - o Aggressive septic sewage
  - o Saline fluid
  - o Mineral slurries



- Largest application is the NEWater project in Singapore, which involved over 12km of DN800 SINTAPIPE for the conveyance of R.O. treated effluent for industrial reuse.

## How do you specify SINTAPIPE?

- It is manufactured under AS/NZS ISO 9001 in accordance with :-  
 AS1579 – Arc welded steel pipes and fittings for water and waste water.  
 AS4321 – Fusion bonded MDPE coating and lining for pipes and fittings  
 AS1646 – Elastomeric seals for waterworks purposes
- For a complete specification, visit our web site [www.tycowater.com](http://www.tycowater.com), or email us for a copy.

<b>SINTAPIPE RANGE</b>			<b>PIPE LENGTH</b>
<i>Outside Diameter</i>	<i>Min. Wall Thickness</i>	<i>Internal Diameter</i>	6000mm effective 6130mm overall
324 mm	4.5 mm	313 mm	<b>FITTINGS RANGE</b> Bends, tees, tapers, etc
356 mm	4.5 mm	345 mm	
406 mm	4.5 mm	395 mm	<b>PRESSURE RATING</b> Up to 6.8 MPa (depending on OD & WT)
419 mm	4.5 mm	408 mm	
457 mm	4.5 mm	446 mm	<b>SERVICE TEMPERATURE</b> -30° to 50°C
508 mm	4.5 mm	497 mm	
559 mm	4.5 mm	548 mm	<b>PIPE FRICTION FACTOR</b> Colebrook-White = 0.006
610 mm	4.5 mm	599 mm	
648 mm	5.0 mm	636 mm	<b>JOINTING SYSTEM</b> Rubber ring "Sintajoint"
660 mm	5.0 mm	648 mm	
711 mm	5.0 mm	699 mm	<b>ALLOWABLE JOINT DEFLECTION</b> Up to 3 degrees (depending on OD & WT)
762 mm	5.0 mm	750 mm	
813 mm	5.0 mm	801 mm	

## **Divisional Office**

Tyco Water Pty Ltd  
ABN 75 087 415 745  
ACN 087 415 745

Cnr Fairfield & Dursley Roads  
Yennora 2161  
PO Box 141 Fairfield  
New South Wales 1860  
Telephone 61 2 9721 6600  
Facsimile 61 2 9721 6601  
info@tycowater.com

[www.tycowater.com](http://www.tycowater.com)



## **Regional Marketing Offices**

### ***Brisbane***

39 Silica Street  
Carole Park 4300  
PO Box 162 Carole Park  
Queensland 4300  
Telephone 07 3712 3666  
Facsimile 07 3271 3128  
rmob@tycowater.com

### ***Sydney***

Cnr Fairfield & Dursley Roads  
Yennora 2161  
PO Box 141 Fairfield  
New South Wales 1860  
Telephone 02 9721 6600  
Facsimile 02 9721 6601  
rmos@tycowater.com

### ***Melbourne***

60A Maffra Street  
Coolaroo 3048  
PO Box 42 Dallas  
Victoria 3047  
Telephone 03 9301 9115  
Facsimile 03 9309 0577  
rmom@tycowater.com

### ***Perth***

310 Selby Street North  
Osborne Park 6017  
PO Box 1377 Osborne Park  
Western Australia 6916  
Telephone 08 9442 3190  
facsimile 08 9442 3199  
rmop@tycowater.com

**tyco** / Flow  
Control

**tyco**  
Water