

**Product Summary**

<b>Manufacturer</b>	Steel Mains
<b>Brand</b>	SINTAKOTE®
<b>Product Type</b>	Pipe
<b>Product Sub Type</b>	Steel Pipe
<b>Application(s)</b>	Pressure
<b>System(s)</b>	Drinking Water, Non-Drinking Water, Pressurised Sewer



**Approval**

**Scope of Approval**

Steel pipe for water supply and pressurised sewerage pipeline systems.  
 The Coating system includes a SINTAKOTE fusion bonded polyethylene (FBPE) external coating with either FBPE lining or cement mortar lining.

The pipe jointing systems available include:

- a) SINTAJOINT® rubber ring joint (RRJ),
- b) SINTALOCK® Type I and Type II welded restrained rubber ring joints (WRRJ),
- c) Spherical slip-in joint (SSJ),
- d) Ball and socket joint (BSJ),
- e) Welded collar joint (WCJ),
- f) Flanged joint (FL) - for joining to valves and fittings

**Pressure Rating(PN)/Stiffness(SN):** Up to 6.8 Mpa

**Jointing:** WCJ, SSJ, BSJ, RRJ, WRRJ and FL



- Special Condition(s):**
- 1) The SINTAJOINT® rubber ring joint (RRJ) system requires specific Water Agency Approval.
  - 2) Where specified by the Water Agency, a limited range of alternative coatings and linings can be provided on request.
  - 3) Water Agency approval is required for Large diameter pipe sizes greater than 1500mm OD.










**Size Range:** 168mm OD - 2500mm OD.

Wall thickness range: - 5mm to 20mm.

Standard pipe lengths: 6 metres, 9 metres, 12.2 metres and 13.5 metres.

**Water Agencies Approval**

	<p><b>Limitations of Use:</b></p> <ul style="list-style-type: none"> <li>• Not near electricity transmission lines</li> <li>• Only for mains where higher structural strength is required</li> <li>• Requires protection against internal and external corrosion</li> </ul> <p><b>Special Conditions:</b></p> <ul style="list-style-type: none"> <li>• High pH can develop in water especially in small diameter cement mortar lined pipelines, where the water is aggressive and the flow rate is low resulting in a long retention time. To overcome this problem seal coatings have been developed to restrict leaching from the cement mortar lining. Tycoo can apply bitumen seal coating over the cement mortar lining.</li> <li>• Use of cement mortar lined Steel pipe for potable and recycled water supply is subject to assessment of its effect on elevating pH. Tycoo use Akzo Nobel Interline 876 Black formerly known as JB 016 Black for their bitumen seal coating</li> <li>• Steel pipe used for sewerage shall have calcium aluminate cement mortar lining</li> </ul>
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	<p><b>Limitations of Use:</b> • Not near electricity transmission • Requires protection against internal and external corrosion                  • Steel pipe used for sewerage shall have a fusion bonded polyurethane lining.  <b>Special Conditions:</b> • High pH can develop in water especially in small diameter cement mortar lined pipelines, where the water is aggressive and the flow rate is low resulting in a long retention time. To overcome this problem seal coatings have been developed to restrict leaching from the cement mortar lining. Tyco can apply bitumen seal coating over the cement mortar lining. • Use of cement mortar lined Steel pipe for potable and recycled water supply is subject to assessment of its effect on elevating pH. Tyco use Akzo Nobel Interline 876 Black formerly known as JB 016 Black for their bitumen seal coating</p>
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**Product Information**

Product Details	
<b>Supplier's Product Code</b>	
<b>Model Number</b>	
<b>WSAA Product Appraisal Number</b>	PA 1818 dated 1 February 2019.
<b>WSAA Product Specification</b>	WSA PS - 203 Steel Pipes for Pressure and Non-Pressure Applications - Water Supply and Sewerage
<b>MRWA Standard Drawing</b>	MRWA-W-103 and MRWA-W-400.

## Steel Mains SINTAKOTE® Steel pressure pipe Product Data Sheet

<b>Relevant Industry Standard(s)</b>	AS 1579:2001 Arc welded steel pipes and fittings for water and wastewater AS 4321 : 2001 Fusion bonded medium density polyethylene coatings and linings for pipes and fittings AS 1281:2001 Cement Mortar Lining of Steel Pipes and Fittings
<b>Product Description</b>	Steel pressure pipe
<b>Useful Links</b>	Steel Pipeline Jointing MRWA-W-400 Steel Mains