

WSAA PRODUCT APPRAISAL CERTIFICATE

Steel Mains Pty Ltd SINTAKOTE® Steel Pressure Pipe and Fittings

Steel Mains SINTAKOTE steel pressure pipe and fittings have been appraised for compliance with the requirements of AS 1579 and WSAA Product Specifications WSA PS 203 and WSA PS 204.

The scope of this appraisal applies to steel pipe in sizes 168 OD to 2500 OD and steel fittings from 114 OD to 2500 OD. Details of the products are included in the attached Schedules A and B.

Product Category	Steel pressure pipe and fittings
PA Number:	PA 1818
Supplier	Steel Mains Pty Ltd
Brand	SINTAKOTE
Standards	AS 1579:2001 – <i>Arc-welded steel pipes and fittings for water and wastewater</i>
WSAA Product Specifications	WSA PS 203 <i>Steel Pipes for Pressure and Non-pressure Applications - Water Supply and Sewerage</i> WSA PS 204 <i>Steel Fittings for Pressure and Non-pressure Applications – Water Supply</i>
Other Specifications	
Issue date	Friday, 1 February January 2019
Expiry date	Thursday, 1 February 2024
Recommendations	It is recommended that WSAA members, subject to any specific requirements of the member, accept or authorise Steel Mains Pty Ltd SINTAKOTE pipes and fittings as detailed in this report for use in water supply reticulation networks, recycled water applications and pressure sewerage applications including vacuum sewerage, provided pipeline design, manufacture, installation and acceptance testing and commissioning are in accordance with applicable Australian Standards, WSAA Codes and the manufacturer's recommendations.
Disclaimer	The disclaimer on Page 2 explains a number of very important limits on your ability to rely on the information in this Product Appraisal Certificate and the assessment criteria used to underlay it. Please read it carefully and take it into account when considering the content in this Certificate.

1. Disclaimer

This Product Appraisal Certificate (Certificate) is issued by WSAA on the understanding that:

This Certificate applies to the product(s) as submitted in Schedule A. Any changes to the product(s) either minor or major shall void this Certificate.

To maintain the recommendations of this Certificate any such changes shall be detailed and notified to the Product Appraisal Manager for consideration and review of the Certificate including the product appraisal criteria underlying it and appropriate action. Appraisals and their recommendations will be the subject of continuous review dependent upon the satisfactory performance of products.

WSAA reserves the right to undertake random audits of product manufacture and installation. Where products fail to maintain appraised performance requirements the appraisal and its recommendations may be modified and reissued. Certificates will be reviewed and reissued at regular intervals not exceeding five (5) years.

WSAA reserves the right to withdraw this Certificate at any time in its sole and absolute discretion for any reason.

The following information explains a number of very important limits on your ability to rely on the information in this Certificate. Please read it carefully and take it into account when considering the contents of this Certificate.

Any enquiries regarding this Certificate should be directed to the Product Appraisal Manager Phone: 03 8605 7601 email carl.radford@wsaa.asn.au.

1.1. Issue of Certificate

This Certificate has been published and/or prepared by WSAA and nominated Project Manager and peer group of technical specialists (the Publishers).

The Certificate and the underlying product appraisal criteria have been prepared for use within Australia only by technical specialists that have expertise in the function of products such as those appraised in the Certificate (the Recipients).

By accepting this Certificate, the Recipient acknowledges and represents to the Publisher(s) and each person involved in the preparation of the Certificate and product appraisal criteria underlying it that the Recipient has understood and accepted the terms of this Disclaimer.

1.2. Limits on Reliance on Information and Recommendations

1.2.1. Disclaimer of liability

Neither the Publisher(s) nor any person involved in the preparation of the Certificate and product appraisal criteria underlying it accept(s) any liability for any loss or damage suffered by any person however caused (including negligence or the omission by any person to do anything) relating in any way to the Certificate or the product appraisal criteria underlying it. This includes (without limitation) any liability for any recommendation or information in the Certificate or any errors or omissions.

1.2.2. Intellectual Property and other rights

WSAA does not undertake any assessment of whether the importation, manufacture, sale or use of the Product the subject of this Certificate infringes the intellectual property rights or proprietary rights of any person. Recipients of the Certificate should undertake their own assessment of whether (as relevant) the importation, manufacture, sale or use of the relevant Products infringe the intellectual property rights or other proprietary rights of any person. If the Product infringes intellectual property rights or other proprietary rights there is potential for the supply of the Products to be interrupted.

From time to time WSAA and the other Publishers may receive notice of allegations that the importation, manufacture, sale or use of the Product infringes intellectual property rights or other proprietary rights. WSAA's policy is to not refer to such allegations in its Certificate or take any other steps to put Recipients on notice of such allegations. If, however, WSAA becomes aware that the allegations have been admitted or proved in Court, then WSAA may, at its discretion, take such steps as it considers appropriate. As such, Recipients acknowledge, agree and accept that WSAA may have information in its possession about intellectual property rights infringement allegations or other infringement allegations in relation to the Product which are not referred to or disclosed in this Certificate and which are not otherwise communicated to Recipients.

1.2.3. Need for independent assessment

The information and any recommendation contained (expressly or by implication) in this Certificate are provided in good faith (and subject to the limitations noted in this Certificate). However, you should treat the information as indicative only. You should not rely on that information or any such recommendation except to the extent that you reach an agreement to the contrary with the Publisher(s).

This Certificate does not contain all information that a person might require for the purposes of assessing any product discussed or appraised within it. The product appraisal criteria used in preparing this Certificate may not address all relevant aspects of the Product.

Recipients should seek independent evidence of any matter which is material to their decisions in connection with an assessment of the Product and consult their own advisers for any technical information required. Any decision to use the Product should take into account the reliability of that independent evidence obtained by the Recipient regarding the Product. Recipients should also independently verify and assess the appropriateness of any recommendation in the Certificate, especially given that any recommendation will not take into account a Recipient's particular needs or circumstances.

WSAA has not evaluated the extent of the product liability and professional indemnity insurance that the provider of the product maintains. Recipients should ensure that they evaluate the allocation of liability for product defects and any professional advice obtained in relation to the product or its specification including the requirements for product liability and professional indemnity insurance.

1.3. No Updating

Neither the Publisher(s) nor any person involved in the preparation of this Certificate or the product appraisal criteria underlying it [has] [have] any obligation to notify you of any change in the information contained in this Certificate or of any new information concerning the Publisher(s) or the Product or any other matter.

1.4. No Warranty

The Publisher(s) do[es] not, in any way, warrant that steps have been taken to verify or audit the accuracy or completeness of the information in this Certificate, or the accuracy, completeness or reasonableness of any recommendation in this Certificate.

SCHEDULE A - QUALITY AND PRODUCT CERTIFICATIONS

Copies of the following Quality and Product Certification Certificates are available for downloading from the WSAA 'Members Only' website.

SCHEDULE A1

STEEL MAINS PTY LTD – MANAGEMENT SYSTEMS

Manufacturing Address: 125-175 Patullos Lane Somerton Vic 3062 Australia	
Quality Systems Standard	ISO 9001:2015
Certification licence no.	QEC1034
Certifying agency	SAI Global
First date of certification	16 January 1989
Current date of certification	25 January 2018
Expiry date of certification	24 January 2021

SCHEDULE A2

STEEL MAINS PTY LTD – MANAGEMENT SYSTEMS

Manufacturing Address: Lot 6 Leath Road Naval Base WA 6165 Australia	
Quality Systems Standard	ISO 9001:2015
Certification licence no.	QMS42496
Certifying agency	SAI Global
First date of certification	23 May 2017
Current date of certification	23 May 2017
Expiry date of certification	22 May 2020

SCHEDULE A3

STEEL MAINS PTY LTD – PRODUCT CERTIFICATION

Manufacturing Address: 125-175 Patullos Lane Somerton Vic 3062 Australia	
Product Standard/Spec.	AS 1579:2001
Certificate No.	SMK02540
Issuing certification body	SAI Global
First date of certification	20 March 2001
Current date of certification	7 September 2016
Expiry date of certification	19 March 2021

SCHEDULE A4

STEEL MAINS PTY LTD – PRODUCT CERTIFICATION

Manufacturing Address: Steel Mains Pty Ltd, Lot 6 Leath Road Naval Base WA 6165 Australia	
Product Standard/Spec	AS 1579:2001
Certificate No.	SMK40658
Certifying agency	SAI Global
First date of certification	19 April 2017
Current date of certification	19 April 2017
Expiry date of certification	18 April 2022

SCHEDULE B PRODUCT DETAILS

This product appraisal applies to Steel Mains SINTAKOTE steel pipe and fittings manufactured to AS1579 – ‘*Arc-welded steel pipes and fittings for water and wastewater*’ in compliance with WSA PS – 203 and WSA PS – 204 with the following attributes:

- (a) Arc-welded mild carbon steel pipes & fittings
- (b) Pipes are manufactured by butt welded spiral welds complying to welding standard AS/NZS 1554.1:2014
- (c) Fittings are manufactured from pipes complying with AS 1579.
- (d) Allowable Operating Pressure Rating – up to 6.8MPa
- (e) Sizes - 168mm OD to 2500mm OD for pipe and 114mm OD to 2500mm OD for fittings
- (f) Pipe Lengths – 6, 9, 12 & 13.5 metres or as specified by customer
- (g) Joint Types – WCJ, SSJ, BSJ, RRJ, WRRJ and flanged joint
- (h) Coatings – SINTAKOTE FBPE complying with AS 4321:2001 or painted
- (i) Linings – Cement Mortar Lining (CML) complying with AS 1281 using General Purpose Portland Cement (GP), Blended Cement (GB) or Sulphate Resistant Cement (SR) for raw, potable and recycled water. Calcium (High) Aluminate Cement (CAC) or FBPE for sewage and aggressive waters (see WSAA TN6)
- (j) Linings may also be provided with a bituminous seal coat, applied to reduce pH change in aggressive potable waters. Guidance on the use of a seal coating should be sought from the manufacturer. In general, consideration should be given to the use of seal coatings where the total alkalinity of the water being conveyed is less than 30 mg/L.