

WSAA PRODUCT APPRAISAL CERTIFICATE

Access Covers Australia Pty Ltd DN 375 PE Sewer Maintenance Shafts

Access Covers Australia Pty Ltd DN 375 PE Sewer Maintenance Shafts have been appraised for compliance with the requirements of WSAA Industry Standard WSA 137 Issue 2.

Details of the products are included in the attached Schedules A and B.

Product Category	Maintenance Shafts for Sewerage
PA Number:	PA 1709
Supplier	Access Covers Australia Pty Ltd
Brand	
Standards	WSA 137 Issue 2 :2018 Industry Standard for Maintenance Shafts and Maintenance Chambers for Sewerage
WSAA Product Specifications	WSA PS 322.
Other Specifications	
Issue date	Friday, 1 February 2019
Expiry date	Thursday, 1 February 2024
Recommendations	<p>It is recommended that WSAA members, subject to any specific requirements, accept / authorise the ACA DN 375 LLDPE MS assemblies with 150mm 2-way base unit and 150mm 4-way base unit as listed in Section 4 'Scope of Appraisal' that are relevant to sewer pipelines as provided in pipeline design, installation, acceptance testing and commissioning in accordance with applicable WSAA Codes and the manufacturer's requirements where specified.</p> <p>The above recommendation is conditionally on ACA demonstrating compliance with the list of outstanding future work items identified in Schedule C of this Certificate and Section 15 of the Product Appraisal Report PA 1709.</p>
Disclaimer	<p>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.</p>

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.

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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 as well as suppliers certificates.

SCHEDULE A1

ACCESS COVERS AUSTRALIA PTY LTD – MANAGEMENT SYSTEMS

22 -28 Hawker St Airport West VIC 3042	
Quality Systems Standard	ISO 9001:2015
Certificate Registration no.	QEC4752
Certifying agency	SAI Global
First date of certification	29 December 1994
Current date of certification	7 May 2018
Expiry date of certification	14 September 2021

SCHEDULE A2

ACCESS COVERS AUSTRALIA PTY LTD – PRODUCT CERTIFICATION

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 B PRODUCT DETAILS

This appraisal covers Access Covers Australia Pty Ltd DN 375 linear low-density polyethylene (LLDPE) sewer maintenance shaft assembly. The jointing of individual components is achieved by elastomeric ring seals.

The MS assembly includes:

- a) DN 375 LLDPE rotational moulded 2-way base with DN 150 straight drainage channel, or
- b) DN 375 LLDPE rotational moulded 4-way base with DN 150 triple inlets and a single outlet, and
- c) DN 375 PE100 PE corrugated riser, externally corrugated with internally smooth wall with optional DN 375 x 150 LLDPE rotational moulded inlet connector.



2 Way Base



4 Way Base



Corrugated Riser



Inlet Connector



Typical Assembly – 2 Way Base with inlet connector

SCHEDULE C FUTURE WORK ITEMS

The following future work items will be submitted within six months of publication of this report:

- a) The following type tests as detailed in ALS Industrial Pty Ltd Report No. 053767-4 rev 2 dated 23 June 2018, will be repeated with a NATA accredited lab who is accredited for these type tests.
 - Clause 3.2 Structural Integrity Test for base material
 - Clause 3.3 Impact testing of base unit
 - Clause 3.6 Accessibility test
 - Clause 3.7.2 Water tightness of pipe joints between a pipe and the base of a maintenance shaft
 - Clause 3.7.3 Watertightness of the base to riser connection
 - Clause 3.7.4 Watertightness of riser assembly components between riser and accompanying components
 - Clause 3.7.5 Elastomeric joint seal effectiveness
 - Clause 3.8 Integrity of the lid and seal
 - Clause 2.2.2.2 Non-standard materials (Materials for bases)
- b) ACA's ISO 9001:2015 Quality Management System Certification will be expanded to include the design, manufacture and supply of DN 375 PE maintenance shaft.
- c) ACA's shall extend their CAB's audits to cover the place of manufacture of ACA's LLPE rotational moulded components, including quality manufactures processes. ACA's shall submitted Audit Report covering the quality manufactures processes of ACA subcontractor and manufacturer of the LLPE rotational moulded components to WSAA.

ACA's are required to confirm the pressure profile for the elastomeric seals for 150 mm outlet and 375 mm riser. The test doesn't appear to have been performed in accordance with AS/NZS1462.13. The ALS report says a pressure profile was not determined.