



# Pipemakers Australia Pty Ltd

PRODUCT APPRAISAL REPORT 1103 Issue 3

PVC-U DWV Pipes and Fittings

AS/NZS 1260:2017 PVC-U pipes and fittings for drain, waste  
and vent applications

Issue 1 Published: 23 January 2012

Issue 2 Published: 21 August 2017

Issue 3 Published: 12 January 2023

Issue 4 Published: 27 May 2024

## Document History

The following information indicates the changes made to this document.

| Date              | Version               |
|-------------------|-----------------------|
| 30 November 2011  | Issue 1 Peer Review   |
| 23 January 2012   | Issue 1 Publication   |
| 21 September 2017 | Issue 2 Peer Review   |
| 21 August 2017    | Issue 2 Publication   |
| 12 January 2023   | Issue 3 Client Review |
| 12 January 2023   | Issue 3 Publication   |
| 27 May 2024       | Issue 3 Client Review |
| 27 May 2024       | Issue 3 Publication   |

## Peer Reviewers

| Name/Title                                 | Organisation | Date             |
|--|--------------|------------------|
| Product Appraisal Technical Advisory Group | WSAA         | 20 December 2011 |
| WSAA Expert Panel                          | WSAA         | 20 December 2011 |
| Carl Radford, Product Appraisal Manager    | WSAA         | 23 January 2012  |
| Mohamed Yoosuf, Senior Engineer, Standards | WSAA         | 19 August 2017   |
| Carl Radford, Product Appraisal Manager    | WSAA         | 21 August 2017   |
| Peter Pittard, WSAA Consultant             | WSAA         | 12 January 2023  |
| Carl Radford, Product Appraisal Manager    | WSAA         | 12 January 2023  |
| Peter Pittard, WSAA Consultant             | WSAA         | 27 May 2024      |
| Carl Radford, Product Appraisal Manager    | WSAA         | 27 May 2024      |

## **Overview of WSAA**

The Water Services Association of Australia (WSAA) is the peak industry body representing the urban water industry. Our members provide water and sewerage services to over 20 million customers in Australia and New Zealand and many of Australia's largest industrial and commercial enterprises.

Based around our vision of 'customer driven, enriching life', WSAA facilitates collaboration, knowledge sharing, networking and cooperation within the urban water industry. We are proud of the collegiate attitude of our members which has led to industry-wide approaches to national water issues.

WSAA can demonstrate success in the standardisation of industry performance monitoring and benchmarking, as well as many research outcomes of national significance. The WSAA Executive retains strong links with policy makers and legislative bodies and their influencers, to monitor emerging issues of importance to the urban water industry.

WSAA was formed in 1995 as a non-profit organisation to foster the exchange of information between industry, government and the community, and to promote sustainable water resource management.

The urban water industry is committed to anchoring its services to customers' values, and to enrich communities where water services have broad economic, environmental and social values. In line with this our main activities focus on four areas:

1. influencing national and state policies on the provision of urban water services and sustainable water resource management
2. promoting debate on environmentally sustainable development and management of water resources and the community health requirements of public water supplies
3. improving industry performance and establishing benchmarks and industry leading practices for water service processes; and
4. fostering the exchange of information on education, training, research, water and wastewater management and treatment and other matters of common interest.

## **Copyright**

This document is copyrighted. Apart from any use as permitted under the Copyright Act 1968, no part of this document may be reproduced or transmitted in any form or by any means, electronically or mechanical, for any purpose, without the express written permission of Water Services Association of Australia Limited.

© Copyright 2024 by WATER SERVICES ASSOCIATION of Australia Limited All rights reserved.

## CONTENTS

|   |    |
|---|----|
| 1 EXECUTIVE SUMMARY .....   | 5  |
| 1.1 Recommendation .....  | 5  |
| 2 THE APPLICANT .....   | 5  |
| 2.1 The Manufacturer/Supplier .....                                       | 5  |
| 3 THE PRODUCT .....   | 6  |
| 4 SCOPE OF THE APPRAISAL .....  | 6  |
| 5 APPRAISAL CRITERIA .....  | 7  |
| 5.1 Quality Assurance Requirements .....                                  | 7  |
| 5.2 Performance Requirements .....  | 7  |
| 6 COMPLIANCE WITH APPRAISAL CRITERIA .....                                | 7  |
| 6.1 Compliance with Quality Assurance Requirements .....                  | 7  |
| 6.2 Compliance with Performance Requirements .....                        | 7  |
| 6.2.1 Type Tests .....  | 7  |
| 6.2.2 Elastomeric seals .....   | 8  |
| 7 FITTING INSTRUCTIONS, TRAINING AND INSTALLATION .....                   | 8  |
| 8 PRODUCT MARKING .....   | 8  |
| 9 PACKAGING AND TRANSPORTATION .....                                      | 8  |
| 10 PRODUCT WARRANTY .....   | 9  |
| 11 WATER AGENCY EXPERIENCE WITH THE PRODUCT OR FIELD-TESTING REPORT ..... | 9  |
| 12 DISCUSSION .....   | 9  |
| 13 OUTCOMES OF EXPERT PANEL PRODUCT REVIEW .....                          | 10 |
| 14 FUTURE WORKS .....   | 10 |
| 15 DISCLAIMER .....   | 10 |
| 15.1 Issue of Report .....  | 10 |
| 15.2 Limits on Reliance on Information and Recommendations .....          | 10 |
| 15.2.1 Disclaimer of liability .....                                      | 10 |
| 15.2.3 Need for independent assessment .....                              | 11 |
| 15.3 No Updating .....  | 11 |
| 15.4 No Warranty .....  | 11 |
| APPENDIX A – PRODUCT LITERATURE .....                                     | 12 |
| APPENDIX B - QUALITY CERTIFICATIONS .....                                 | 15 |
| APPENDIX C - SUPPLIER CONTACTS .....                                      | 27 |

## 1 EXECUTIVE SUMMARY

Pipemakers Australia Pty Ltd is an Australian company established in Queensland in 1990 to manufacture PVC piping. The company maintains PVC manufacturing facilities in Acacia Ridge in Queensland and Deer Park in Victoria and operates a national distribution network within Australia.

This appraisal is for a range of plain wall and sandwich wall PVC-U pipes and plain wall fittings for drainage, waste and vent applications manufactured in conformance with AS/NZS 1260:2017 *PVC-U pipes and fittings for drain, waste and vent applications*.

This Issue 4 is to add a range of DN 100 and DN 150 fittings to the Scope of the Appraisal.

Issue 3 was a replacement for the previous version of the appraisal which had reached its 5-year expiry date.

Pipe sizes are from DN 100 to DN 375 with minimum stiffness ratings of SN10 for DN 100 and SN8 for sizes equal to and greater than DN 150. The pipes are available with either solvent cement joints (SCJ) or elastomeric seal joints (RRJ). Effective lengths may be 3m or 6m.

The DN 100 and DN 150 plain wall fittings have solvent cement joints (SCJ). Minimum wall thickness of the fittings complies with AS/NZS 1260 which advises that the fittings are suitable for use in systems using pipes up to SN16.

See Section 3 and Appendix A for product details.

Sandwich construction pipes may be provided with a solid core or foam core manufactured using a multilayered die head technology. See Section 12 for further details.

Pipemakers Australia Pty Ltd holds an ISO 9001:2015 Quality Management System Licence covering its Acacia Ridge and Deer Park sites.

The PVC-U DWV pipes and fittings have ISO Type 5 ApprovalMark product certification to AS/NZS 1260:2017 *PVC-U pipes and fittings for drain, waste and vent applications*.

This Appraisal has determined that Pipemakers PVC-U DWV pipes as detailed in this report, meet the requirements of WSA PS 230 *Polyvinylchloride, Unplasticised (PVC-U) Pipes and Fittings for Non-Pressure Applications – Sewerage and Drainage* and are considered as 'fit-for-purpose'.

### 1.1 Recommendation

It is recommended that WSAA members, subject to any specific requirements of the member, accept or authorise Pipemakers plain wall and sandwich wall PVC-U DWV pipes and plain wall fittings, as detailed in this report, for use in gravity sewer pipelines, provided they are installed in accordance with WSAA Codes and the manufacturer's requirements, where specified.

## 2 THE APPLICANT

The Applicant is Pipemakers Australia Pty Ltd.

### 2.1 The Manufacturer/Supplier

Pipemakers Australia Pty Ltd is an Australian company established in Queensland in 1990 to manufacture PVC piping. The company maintains PVC manufacturing facilities in Deer Park in Victoria and Acacia Ridge in Queensland and operates a national distribution network within Australia.

Pipemakers became a Pty Ltd company in January 2008 and is managed by the Kanji group, which has extensive operations across many industries throughout Australia and Asia.

The PVC-U range of DWV pipes is manufactured at either of Pipemakers manufacturing facilities in Acacia Ridge and Deer Park. The fittings are manufactured at the Acacia Ridge facility.

### 3 THE PRODUCT

This appraisal is for a range of plain wall and sandwich wall PVC-U pipes and plain wall fittings for drainage, waste and vent applications manufactured in conformance with AS/NZS 1260:2017 *PVC-U pipes and fittings for drain, waste and vent applications*.

Pipe sizes are from DN 100 to DN 375 with minimum stiffness ratings of SN10 for DN 100 and SN8 for sizes equal to and greater than DN 150. The pipes are available with either solvent cement joints (SCJ) or elastomeric seal joints (RRJ). Effective lengths may be 3m or 6m.

The DN 100 and DN 150 plain wall fittings have solvent cement joints (SCJ). Minimum wall thickness of the fittings complies with AS/NZS 1260 which advises that the fittings are suitable for use in systems using pipes up to SN16.

Sandwich construction pipes may be provided with a solid core or foam core manufactured using a multilayered die head technology. See Section 12 for further details.

A water agency should specify where a particular wall type is required.

See Tables 1 and 2 for details of the pipe range and Appendix A for the fittings range.

**TABLE 1: PVC-U DWV SOLVENT CEMENT JOINT SEWER PIPE**

| DN  | Minimum Stiffness Rating | Plain Wall |    | Solid Core Sandwich |    | Foam Core Sandwich |    |
|-----|--------------------------|------------|----|---------------------|----|--------------------|----|
|     |                          | 3m         | 6m | 3m                  | 6m | 3m                 | 6m |
| 100 | SN10                     | ✓          | ✓  | ✓                   | ✓  | ✓                  | ✓  |
| 150 | SN8                      | ✓          | ✓  | ✓                   | ✓  | ✓                  | ✓  |
| 225 | SN8                      | ✓          | ✓  | ✓                   | ✓  | ✓                  | ✓  |
| 300 | SN8                      | ✓          | ✓  | ✓                   | ✓  | ✓                  | ✓  |
| 375 | SN8                      | ✓          | ✓  | ✓                   | ✓  | ✓                  | ✓  |

**TABLE 2: PVC-U DWV ELASTOMERIC SEAL JOINT SEWER PIPE**

| DN  | Minimum Stiffness Rating SN | Plain Wall |    | Solid Core Sandwich |    | Foam Core Sandwich |    |
|-----|-----------------------------|------------|----|---------------------|----|--------------------|----|
|     |                             | 3m         | 6m | 3m                  | 6m | 3m                 | 6m |
| 100 | SN10                        | ✓          | ✓  | ✓                   | ✓  | ✓                  | ✓  |
| 150 | SN8                         | ✓          | ✓  | ✓                   | ✓  | ✓                  | ✓  |
| 225 | SN8                         | ✓          | ✓  | ✓                   | ✓  | ✓                  | ✓  |
| 300 | SN8                         | ✓          | ✓  | ✓                   | ✓  | ✓                  | ✓  |
| 375 | SN8                         | ✓          | ✓  | ✓                   | ✓  | ✓                  | ✓  |

### 4 SCOPE OF THE APPRAISAL

This appraisal is for a range of Pipemakers plain wall, solid core or foam core PVC-U DWV pipes with solvent cement joints or elastomeric seal joints in sizes from DN 100, DN 150, DN 225, DN 300 and DN 375 and a range of DN 100 and DN 150 plain wall fittings with solvent cement joints.

## **5 APPRAISAL CRITERIA**

### **5.1 Quality Assurance Requirements**

The WSAA Product Appraisal Technical Advisory Group accepts plain wall and sandwich construction PVC-U DWV pipes and fittings manufactured in compliance with AS/NZS 1260:2017 *PVC-U pipes and fittings for drain, waste and vent applications* and duly certified by means of an ISO Type 5 product certification scheme undertaken by a JAS-ANZ accredited Conformity Assessment Body (CAB) or by an international accreditation system recognised by JAS-ANZ.

The manufacturer is generally expected to have a production management and control system that has been duly accredited in accordance with ISO 9001 as a prerequisite to undergoing a product certification audit.

The ISO Type 5 Product Certification Scheme shall meet the criteria described in WSA TN-08.

### **5.2 Performance Requirements**

Pipemakers PVC-U DWV pipe and fittings range has been appraised for compliance with AS/NZS 1260:2017 *PVC-U pipes and fittings for drain, waste and vent applications*.

Appraisal criteria are also determined by the WSAA Product Appraisal Technical Advisory Group and regularly reviewed to ensure that the criteria reflect the requirements of WSAA members.

The following Product Specification is also relevant to this application:

WSA PS 230 *Polyvinylchloride, Unplasticised (PVC-U) Pipes and Fittings for Non-Pressure Applications – Sewerage and Drainage*.

A copy of the Product Specification is available at the following link:

<https://www.wsaa.asn.au/shop/product/60961>

## **6 COMPLIANCE WITH APPRAISAL CRITERIA**

### **6.1 Compliance with Quality Assurance Requirements**

Pipemakers has submitted the following quality certificates:

- ISO 9001:2015 Certificate of Registration No. AMI-QM 78034 issued to Pipemakers Australia Pty Ltd by ApprovalMark International.
- AS/NZS 1260:2017 ApprovalMark ISO Type 5 Product Certification Licence No. 74950 issued to Pipemakers Australia Pty Ltd (Acacia Ridge) by ApprovalMark International.
- AS/NZS 1260:2017 ApprovalMark ISO Type 5 Product Certification Licence No. 71015 issued to Pipemakers Australia Pty Ltd (Deer Park) by ApprovalMark International.
- AS/NZS 1260:2017 Best Environmental Practice PVC Certificate No. BEP-PVC 4110 issued to Pipemakers Australia Pty Ltd (Acacia Ridge) by ApprovalMark International.
- AS/NZS 1260:2017 Best Environmental Practice PVC Certificate No. BEP-PVC 542 issued to Pipemakers Australia Pty Ltd (Deer Park) by ApprovalMark International.

Copies of Quality Assurance and Product Certification licences have been included in Appendix B and are also available from WSAA.

### **6.2 Compliance with Performance Requirements**

#### **6.2.1 Type Tests**

Material and performance type test requirements, including for elastomeric seal joints specified in AS/NZS 1260, were completed for plain wall, solid core sandwich and foam core sandwich pipes for the previous issue of this appraisal report. Pipemakers has confirmed

that there have been no changes to the formulation or designs. Tests specified in the 2009 version of the standard have not been changed in the 2017 version so the original test results remain valid.

A copy of a recent test report undertaken by Queensland Testing Laboratory (NATA Accreditation No 14783) has been submitted for tests undertaken on the DN 150 solid core sandwich construction pipe in accordance with AS/NZS 1260:2017. The tests undertaken included dimensional checks, impact at 20°, pipe stiffness, flattening test and elastomeric joint tests for both hydrostatic pressure and infiltration.

### 6.2.2 Elastomeric seals

The SBR elastomeric seals are supplied by Gulf Rubber and manufactured by Thong Nhat Rubber Company Ruthimex in conformance with AS 1646. The seals are covered by StandardsMark ISO Type 5 product certification. Certification details are held on file by WSAA.

## 7 FITTING INSTRUCTIONS, TRAINING AND INSTALLATION

PVC-U DWV pipes and fittings have been used for many years in Australia. Experience in handling and installing the products is well established. Design and installation instructions are provided in AS/NZS 2032 *Installation of PVC pipe systems*, AS/NZS 2566.1 *Buried flexible pipelines Part 1: Structural design* and AS/NZS 2566.2 *Buried flexible pipelines Part 2: Installation*.

Where permitted by the asset owner, PVC DWV pipes can be installed on a curved alignment in accordance with PIPA document POP202.

## 8 PRODUCT MARKING

Pipes are marked as follows in compliance with AS/NZS 1260:

- Manufacturer's name: Pipemakers
- Best Environmental Practice: BEP
- Nominal size: e.g., 100
- Pipe Identification: PVC-U DWV
- For structural wall pipes of sandwich construction: SC
- Class: e.g., SN8, SN10
- Identification of the place of manufacture: Line No. and Q (for Qld) or V (for Vic)
- Date of manufacture: yymmdd
- Standard No: AS/NZS 1260
- ApprovalMark Licence Number: e.g., LN 1540

Example: PIPEMAKERS BEP 100 PVC-U DWV XSC SN10 L1 Q 221203 AS/NZS 1260 W LN 1540 15:44 100DWVSC 9319841040153

## 9 PACKAGING AND TRANSPORTATION

Timber frames with metal straps are used for full packs of pipes. A nylon 'gut' strap secures individual pipes, separated by wooden spacers. Pipes are stacked in layers with sockets placed at alternative ends of the rack.



**FIGURE 1 EXAMPLE OF PACKAGING**



## 10 PRODUCT WARRANTY

The products are covered by the normal commercial and legal requirements of the *Competition and Consumer Act 2010 (Cth)*, which covers manufacture to the relevant standard, and details of Pipemakers warranty is included in their terms and conditions of sale.

## 11 WATER AGENCY EXPERIENCE WITH THE PRODUCT OR FIELD-TESTING REPORT

PVC DWV pipes and fittings, manufactured to AS/NZS1260, are widely used by the water industry and field testing is not considered necessary.

PVC-U gravity sewer systems have been in use in Australia since the early 1970s and are the predominant option for collection sewers up to size DN 375. Overseas experience dates back to the 1960s.

Water industry consensus is that PVC-U gravity systems have performed satisfactorily and that correctly installed systems demonstrate satisfactory resistance to tree root penetration, whether elastomeric sealing ring jointed or solvent cement jointed.

Pipemakers PVC-U DWV pipes have received product authorisation from all major water agencies within Australia.

## 12 DISCUSSION

The period over which PVC-U non-pressure pipes have been used in Australia is indicated by the first edition of AS 1260 being published in 1974. PVC-U DWV pipes were originally produced to specified minimum wall thicknesses. In 1996 the Standard changed to a performance-based requirement where minimum pipe stiffness is specified.

Pipemakers DWV pipes greater than DN100 are produced as plain wall, solid core sandwich construction or foam core sandwich construction. According to AS/NZS 1260, all three DWV pipe constructions have to meet the same performance requirements except that reversion applies only to plain wall pipes. Additionally, all sandwich construction pipes are required to have minimum inside wall thickness according to AS/NZS 1260. The minimum values of the inside wall thicknesses in AS/NZS 1260 are approximately 50% greater than those required in ISO 4435 *Plastics piping systems for non-pressure underground drainage and sewerage — Unplasticized poly (vinyl chloride) (PVC-U)*.

The 3 forms of PVC-U DWV non-pressure pipes used in Australia are:

1. Plain wall (single layer) pipe made entirely from 100% virgin PVC resin with added thermal stabilisers, processing aids, titanium dioxide UV stabiliser and coated calcium carbonate filler. The PVC content of the compound is not less than 80% by mass.
2. Solid wall sandwich construction pipe comprised of an inner and outer layer of virgin PVC and a central (core) layer of “reworked/reclaimed” PVC material. This core layer is typically in-house reworked DWV pipe, PVC communications conduit or PVC-U pressure pipe.
3. Foam core sandwich construction pipe comprised of an inner and outer layer of virgin PVC and a central (core) layer of “reworked/reclaimed” PVC material to which a blowing (foaming) agent has been added. This foamed core layer features a cellular structure that results in lighter weight pipes, improved material efficiency and lower carbon footprint.

Sandwich construction PVC DWV pipes conform to AS/NZS 1260 and are equivalent in performance to pipe manufactured from solid 100% virgin material.

Importantly this type of pipe has been responsible for diverting thousands of tonnes of PVC from the waste stream across Australia.

For further information refer to PIPA Technical Note TN 019 *Sandwich Construction PVC-U Non-Pressure Pipe (PVC-U)*.

### **13 OUTCOMES OF EXPERT PANEL PRODUCT REVIEW**

They are no outstanding issues.

### **14 FUTURE WORKS**

No future works have been identified.

### **15 DISCLAIMER**

This Product Appraisal Report (Report) is issued by the Water Services Association of Australia Limited on the understanding that:

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

To maintain the recommendations of this Report any such changes shall be detailed and notified to the Product Appraisal Manager for consideration and review of the Report 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. Appraisal reports will be reviewed and reissued at regular intervals not exceeding five (5) years.

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

Any enquiries regarding this report should be directed to the Program Manager, Carl Radford, email [carl.radford@wsaa.asn.au](mailto:carl.radford@wsaa.asn.au).

#### **15.1 Issue of Report**

This Report has been published and/or prepared by the Water Services Association of Australia Limited and nominated Project Manager and peer group of technical specialists (the Publishers).

The Report has been prepared for use within Australia only by technical specialists that have expertise in the function of products such as those appraised in the Report (the Recipients).

By accepting this Report, the Recipient acknowledges and represents to the Publisher(s) and each person involved in the preparation of the Report that the Recipient has understood and accepted the terms of this Disclaimer.

#### **15.2 Limits on Reliance on Information and Recommendations**

##### **15.2.1 Disclaimer of liability**

Neither the Publisher(s) nor any person involved in the preparation of the Report 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 Report or the product appraisal criteria underlying it. This includes (without limitation) any liability for any recommendation or information in the Report or any errors or omissions.

##### **15.2.2 Intellectual Property and other rights**

The Water Services Association of Australia Limited does not undertake any assessment of whether the importation, manufacture, sale or use of the Product the subject of this Report infringes the intellectual property rights or proprietary rights of any person. Recipients of the report 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 the Water Services Association of Australia Limited 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. The Water Services Association of Australia Limited's policy is to not refer to such allegations in its reports or take any other steps to put Recipients on notice of such allegations, unless and until it is aware that the allegations have been admitted or proved in Court. As such, Recipients acknowledge, agree and accept that the Water Services Association of Australia Limited 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 Report and which are not otherwise communicated to Recipient.

### **15.2.3 Need for independent assessment**

The information and any recommendation contained (expressly or by implication) in this Report are provided in good faith (and subject to the limitations noted in this Report). 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 Report does not contain all information that a person might require for the purposes of assessing any product discussed or appraised within it (Product). The product appraisal criteria used in preparing this Report 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 Report, 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.

### **15.3 No Updating**




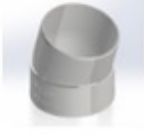
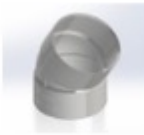
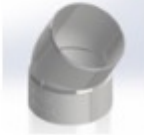




Neither the Publisher(s) nor any person involved in the preparation of this Report [has] [have] any obligation to notify you of any change in the information contained in this Report or of any new information concerning the Publisher(s) or the Product or any other matter.

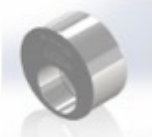






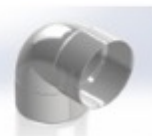
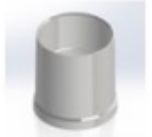

### **15.4 No Warranty**


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 Report, or the accuracy, completeness or reasonableness of any recommendation in this Report.

## APPENDIX A – PRODUCT LITERATURE

### Fittings Range

| Product Code | Description            | Graphic   |
|--------------|------------------------|---|
| 100D5BFF     | 100 x 5D Bend F-F      |    |
| 100D5BMF     | 100 x 5D Bend M-F      |    |
| 100D15BFF    | 100 x 15D Bend F-F     |    |
| 100D15BMF    | 100 x 15D Bend M-F     |   |
| 100D30BFF    | 100 x 30D Bend F-F     |  |
| 100D30BMF    | 100 x 30D Bend M-F     |  |
| 100D43BMF    | 100 x 43D Bend M-F     |  |
| 100D45BFF    | 100 x 45D Bend F-F     |  |
| 100D45JFF    | 100 x 45D Junction F/F |  |
| 100D45JMF    | 100 x 45D Junction M/F |  |

| Product Code | Description                          | Graphic   |
|--------------|--------------------------------------|---|
| 100D50PR     | 100 x 50 Pipe Reducer                |    |
| 100D50SR     | 100 x 50 Socket Reducer              |    |
| 100D88BFF    | 100 x 88D Bend F-F                   |    |
| 100D88BMF    | 100 x 88D Bend M-F                   |    |
| 100D88JFF    | 100 x 88D Junction F-F               |   |
| 100D88JMF    | 100 x 88D Junction M-F               |  |
| 100DDTB      | 100 x100 DWV Disconnecter Trap Base  |  |
| 100DDTE      | 100 x100 DWV Disconnecter Trap Elbow |  |
| 100DEC       | 100 DWV Expansion Coupling           |  |
| 100DITB      | 100 DWV Insp Tee Bung                |  |

| Product Code | Description                               | Graphic   |
|--------------|---|---|
| 100DITFF     | 100 DWV Insp Tee F-F                      |    |
| 100DITMF     | 100 DWV Insp Tee M-F                      |    |
| 100DPC       | 100 DWV Push-On Cap                       |    |
| 100DTC       | 100 DWV Access Cap Threaded + Rubber Ring |   |
| 100DTCFF     | 100 DWV Coupling Acc F-F                  |  |
| 10050D45JFF  | 100 x 50 x 45D DWV Junction Red F-F       |  |
| 10050DLIT    | 100-50 DWV Level Invert Taper             |  |
| 150100D45JFF | 150x100x45D DWV Junction F/F              |  |

## APPENDIX B - QUALITY CERTIFICATIONS

Copies of the Quality Certificates are available from WSAA

**TABLE B1  
PIPEMAKERS AUSTRALIA PTY LTD – MANAGEMENT SYSTEMS**

|  |                            |
|--|----------------------------|
| 501 Foley Road Deer Park VIC 186 Ingram Road, Acacia Ridge QLD |                            |
| Quality Systems Standard                                       | AS/NZS ISO 9001:2015       |
| Certification Licence No.                                      | AMI-QM 78034               |
| Certifying Agency  | ApprovalMark International |
| First Date of Certification                                    | 29 September 2021          |
| Current Date of Certification                                  | 29 September 2021          |
| Expiry Date of Certification                                   | 29 September 2024          |

**TABLE B2  
PIPEMAKERS AUSTRALIA PTY LTD (ACACIA RIDGE) – PRODUCT CERTIFICATION**

|                                   |                            |
|-----------------------------------|----------------------------|
| 186 Ingram Road, Acacia Ridge QLD |                            |
| Product Standard/Spec.            | AS/NZS 1260:2017           |
| Certificate No.                   | AMI 74950                  |
| Issuing Certification Body        | ApprovalMark International |
| First Date of Certification       | 28 March 2024              |
| Current Date of Certification     | 28 March 2024              |
| Expiry Date of Certification      | 28 March 2029              |

**TABLE B3  
PIPEMAKERS AUSTRALIA PTY LTD (DEER PARK) – PRODUCT CERTIFICATION**

|                               |                            |
|-------------------------------|----------------------------|
| 501 Foley Road Deer Park VIC  |                            |
| Product Standard/Spec.        | AS/NZS 1260:2017           |
| Certificate No.               | AMI 71015                  |
| Issuing Certification Body    | ApprovalMark International |
| First Date of Certification   | 21 October 2012            |
| Current Date of Certification | 15 December 2022           |
| Expiry Date of Certification  | 21 October 2027            |

**TABLE B4  
PIPEMAKERS AUSTRALIA PTY LTD (ACACIA RIDGE)  
BEST ENVIRONMENTAL PRACTICE**

|  |                             |
|--|-----------------------------|
| 186 Ingram Road, Acacia Ridge QLD 4110 |                             |
| Quality Systems Standard               | Best Environmental Practice |
| Certification Licence No.              | BEP-PVC 4110                |
| Certifying Agency                      | ApprovalMark International  |
| First Date of Certification            | 20 February 2012            |
| Current Date of Certification          | 20 February 2024            |
| Expiry Date of Certification           | 20 February 2026            |

**TABLE B5  
PIPEMAKERS AUSTRALIA PTY LTD (DEER PARK)  
BEST ENVIRONMENTAL PRACTICE**

|                               |                             |
|-------------------------------|-----------------------------|
| 501 Foleys Road Deer Park Vic |                             |
| Quality Systems Standard      | Best Environmental Practice |
| Certification Licence No.     | BEP-PVC 542                 |
| Certifying Agency             | ApprovalMark International  |
| First Date of Certification   | 29 February 2012            |
| Current Date of Certification | 29 February 2024            |
| Expiry Date of Certification  | 29 February 2026            |



ISO 9001

# CERTIFICATE OF REGISTRATION



*ApprovalMark International* hereby grants:

## Pipemakers Australia Pty Ltd

186 Ingram Road, Acacia Ridge, QLD 4110, AUSTRALIA  
501 Foley Road, Deer Park, VIC 3023, AUSTRALIA

### ISO 9001: 2015 - QUALITY MANAGEMENT SYSTEMS

#### THIS COVERS THE FOLLOWING SCOPE:

"The manufacture and distribution of PE, UPVC and PVC-O pipes and the purchase and distribution of complementary PVC & PE pipe fittings".

Certificate No. AMI-QM 78034

Issued: 29th September 2021  
Expires: 29th September 2024

Originally Certified: 29th September 2021  
Current Certification: 29th September 2021

**John PRASAD**  
Director



Registered by: ApprovalMark International Pty Ltd (ABN 69 143 259 974) Unit 20, 33 Holbeche Road, Arndell Park NSW 2148 Australia. The assessment was carried with appropriate skill and assessment by ApprovalMark International Pty Ltd; however it will only accept its responsibility for proven negligence. The certificate remains the property of ApprovalMark International Pty Ltd.

ApprovalMark

ISO TYPE 5

# CERTIFICATE OF CONFORMITY



*ApprovalMark International* hereby grants:

## Pipemakers Australia Pty Ltd

186 Ingram Road  
Acacia Ridge, QLD 4110  
Australia

### ISO Type 5 Certificate of Conformity

Evaluated to:

**AS/NZS 1260:2017 – PVC-U pipes and fittings for drain, waste and vent applications**

The ISO Type 5 License shall comply with all the terms and conditions as stipulated by the governance of the operating rules of the ISO Type 5 Scheme and shall comply with the standard requirements at all times including when the standard is amended. The ISO Type 5 License only covers the product which is identified in the attached product schedule.

**Certificate No. AMI 74950**

**Issued:** 28<sup>th</sup> March 2024

**Original Issue:** 28<sup>th</sup> March 2024

**Expires:** 28<sup>th</sup> March 2029

**John PRASAD**

**Director**

ApprovalMark International Pty Ltd  
18/33 Holbeche Road, Arndell Park 2148, Australia  
[www.approvalmark.com](http://www.approvalmark.com)



**Registered by:** ApprovalMark International Pty Ltd (ABN 69 143 259 974) Unit 18, 33 Holbeche Road, Arndell Park NSW 2148 Australia. The assessment was carried with appropriate skill and assessment by ApprovalMark International Pty Ltd, however it will only accept its responsibility for proven negligence. The certificate remains the property of ApprovalMark International Pty Ltd.

ApprovalMark



# Product Schedule

## Pipemakers Australia Pty Ltd

186 Ingram Road  
Acacia Ridge, QLD 4110  
AUSTRALIA

### ISO Type 5 Certificate of Conformity

Evaluated to:

**AS/NZS 1260:2017 – PVC-U pipes and fittings for drain, waste and vent applications**

| Model ID | Model Name | Brand Name | Product Description  | Endorsement Date            |
|----------|------------|------------|--|-----------------------------|
| DN40     | DN40AR     | Pipemakers | DWV Pipe - Plain Wall Grey, DN40, 3m, 6m                               | 28 <sup>th</sup> March 2024 |
| DN50     | DN50AR     | Pipemakers | DWV Pipe - Plain Wall Grey, DN50, 3m, 6m                               | 28 <sup>th</sup> March 2024 |
| DN65     | DN65AR     | Pipemakers | DWV Pipe - Plain Wall Grey, DN65, 3m, 6m                               | 28 <sup>th</sup> March 2024 |
| DN80     | DN80AR     | Pipemakers | DWV Pipe - Plain Wall Grey, DN80, 3m, 6m                               | 28 <sup>th</sup> March 2024 |
| DN100    | DN100AR    | Pipemakers | DWV Pipe – Plain Wall-Grey, DN100, SN6 & 10, SCJ or RRJ - 3m, 6m       | 28 <sup>th</sup> March 2024 |
| DN150    | DN150AR    | Pipemakers | DWV Pipe – Plain Wall-Grey, DN150, SN4, 6, 8 & 10, SCJ or RRJ - 3m, 6m | 28 <sup>th</sup> March 2024 |
| DN225    | DN225AR    | Pipemakers | DWV Pipe – Plain Wall-Grey, DN225, SN4, 6, 8 & 10, SCJ or RRJ - 3m, 6m | 28 <sup>th</sup> March 2024 |
| DN300    | DN300AR    | Pipemakers | DWV Pipe – Plain Wall-Grey, DN300, SN4, 6, 8 & 10, SCJ or RRJ - 3m, 6m | 28 <sup>th</sup> March 2024 |
| DN375    | DN375AR    | Pipemakers | DWV Pipe – Plain Wall-Grey, DN375, SN4, 6, 8 & 10, SCJ or RRJ - 3m, 6m | 28 <sup>th</sup> March 2024 |
| DN100    | DN100AR    | Pipemakers | DWV Pipe – Foam Core Wall-Grey, DN100, SN6 & 10, SCJ or RRJ - 3m, 6m   | 28 <sup>th</sup> March 2024 |
| DN150    | DN150AR    | Pipemakers | DWV Pipe – Foam Core-Grey, DN150, SN4, 6, 8 & 10, SCJ or RRJ - 3m, 6m  | 28 <sup>th</sup> March 2024 |
| DN225    | DN225AR    | Pipemakers | DWV Pipe – Foam Core-Grey, DN225, SN4, 6, 8 & 10, SCJ or RRJ - 3m, 6m  | 28 <sup>th</sup> March 2024 |
| DN300    | DN300AR    | Pipemakers | DWV Pipe – Foam Core-Grey, DN300, SN4, 6, 8 & 10, SCJ or RRJ - 3m, 6m  | 28 <sup>th</sup> March 2024 |
| DN375    | DN375AR    | Pipemakers | DWV Pipe – Foam Core-Grey, DN375, SN4, 6, 8 & 10, SCJ or RRJ - 3m, 6m  | 28 <sup>th</sup> March 2024 |
| DN100    | DN100AR    | Pipemakers | DWV Pipe – Solid Core Wall-Grey, DN100, SN6 & 10, SCJ or RRJ - 3m, 6m  | 28 <sup>th</sup> March 2024 |



# Product Schedule

| Model ID    | Model Name | Brand Name | Product Description   | Endorsement Date            |
|-------------|------------|------------|---|-----------------------------|
| DN150       | DN150AR    | Pipemakers | DWV Pipe – Solid Core Wall-Grey, DN150, SN4, 6, 8 & 10, SCJ or RRJ - 3m, 6m | 28 <sup>th</sup> March 2024 |
| DN225       | DN225AR    | Pipemakers | DWV Pipe – Solid Core Wall-Grey, DN225, SN4, 6, 8 & 10, SCJ or RRJ - 3m, 6m | 28 <sup>th</sup> March 2024 |
| DN300       | DN300AR    | Pipemakers | DWV Pipe – Solid Core Wall-Grey, DN300, SN4, 6, 8 & 10, SCJ or RRJ - 3m, 6m | 28 <sup>th</sup> March 2024 |
| DN375       | DN375AR    | Pipemakers | DWV Pipe – Solid Core Wall-Grey, DN375, SN4, 6, 8 & 10, SCJ or RRJ - 3m, 6m | 28 <sup>th</sup> March 2024 |
| 100D5BFF    | PVC-U DWV  | PipeMakers | 100 x 5D DWV Bend Pln F-F   | 28 <sup>th</sup> March 2024 |
| 100D5BMF    | PVC-U DWV  | PipeMakers | 100 x 5D DWV Bend Pln M-F   | 28 <sup>th</sup> March 2024 |
| 100D15BFF   | PVC-U DWV  | PipeMakers | 100 x 15D DWV Bend Pln F-F  | 28 <sup>th</sup> March 2024 |
| 100D15BMF   | PVC-U DWV  | PipeMakers | 100 x 15D DWV Bend Pln M-F  | 28 <sup>th</sup> March 2024 |
| 100D30BFF   | PVC-U DWV  | PipeMakers | 100 x 30D DWV Bend Pln F-F  | 28 <sup>th</sup> March 2024 |
| 100D30BMF   | PVC-U DWV  | PipeMakers | 100 x 30D DWV Bend Pln M-F  | 28 <sup>th</sup> March 2024 |
| 100D43BMF   | PVC-U DWV  | PipeMakers | 100 x 43D DWV Bend Pln M-F  | 28 <sup>th</sup> March 2024 |
| 100D45BFF   | PVC-U DWV  | PipeMakers | 100 x 45D DWV Bend Pln F-F  | 28 <sup>th</sup> March 2024 |
| 100D45JFF   | PVC-U DWV  | PipeMakers | 100 x 45D DWV Junction F/F  | 28 <sup>th</sup> March 2024 |
| 100D45JMF   | PVC-U DWV  | PipeMakers | 100 x 45D DWV Junction M/F  | 28 <sup>th</sup> March 2024 |
| 100D50PR    | PVC-U DWV  | PipeMakers | 100 x 50 DWV Pipe Reducer   | 28 <sup>th</sup> March 2024 |
| 100D50SR    | PVC-U DWV  | PipeMakers | 100 x 50 DWV Socket Reducer   | 28 <sup>th</sup> March 2024 |
| 100D88BFF   | PVC-U DWV  | PipeMakers | 100 x 88D DWV Bend Pln F-F  | 28 <sup>th</sup> March 2024 |
| 100D88BMF   | PVC-U DWV  | PipeMakers | 100 x 88D DWV Bend Pln M-F  | 28 <sup>th</sup> March 2024 |
| 100D88JFF   | PVC-U DWV  | PipeMakers | 100 x 88D DWV Junction F-F  | 28 <sup>th</sup> March 2024 |
| 100D88JMF   | PVC-U DWV  | PipeMakers | 100 x 88D DWV Junction M-F  | 28 <sup>th</sup> March 2024 |
| 100DDTB     | PVC-U DWV  | PipeMakers | 100 x100 DWV Disconnecter Trap Base   | 28 <sup>th</sup> March 2024 |
| 100DDTE     | PVC-U DWV  | PipeMakers | 100 x100 DWV Disconnecter Trap Elbow  | 28 <sup>th</sup> March 2024 |
| 100DEC      | PVC-U DWV  | PipeMakers | 100 DWV Expansion Coupling  | 28 <sup>th</sup> March 2024 |
| 100DITB     | PVC-U DWV  | PipeMakers | 100 DWV Insp Tee Bung   | 28 <sup>th</sup> March 2024 |
| 100DITFF    | PVC-U DWV  | PipeMakers | 100 DWV Insp Tee F-F  | 28 <sup>th</sup> March 2024 |
| 100DITMF    | PVC-U DWV  | PipeMakers | 100 DWV Insp Tee M-F  | 28 <sup>th</sup> March 2024 |
| 100DPC      | PVC-U DWV  | PipeMakers | 100 DWV Push-On Cap   | 28 <sup>th</sup> March 2024 |
| 100DTC      | PVC-U DWV  | PipeMakers | 100 DWV Access Cap Threaded + Rubber Ring                                   | 28 <sup>th</sup> March 2024 |
| 100DTCFF    | PVC-U DWV  | PipeMakers | 100 DWV Coupling Acc F-F  | 28 <sup>th</sup> March 2024 |
| 10050D45JFF | PVC-U DWV  | PipeMakers | 100 x 50 x 45D DWV Junction Red F-F   | 28 <sup>th</sup> March 2024 |
| 10050DLIT   | PVC-U DWV  | PipeMakers | 100-50 DWV Level Invert Taper   | 28 <sup>th</sup> March 2024 |



# Product Schedule

| Model ID      | Model Name | Brand Name | Product Description                 | Endorsement Date            |
|---------------|------------|------------|-------------------------------------|-----------------------------|
| 150100D45JFF  | PVC-U DWV  | PipeMakers | 150x100x45D DWV Junction F/F        | 28 <sup>th</sup> March 2024 |
| 150100D45JFFC | PVC-U DWV  | Clover     | 150x100x45D DWV Junction F/F Clover | 28 <sup>th</sup> March 2024 |

----- *End of record* -----

**Certificate No. AMI 74950**

*The models identified above in the schedule are endorsed for ISO Type 5 application only.*

ApprovalMark

ISO  
TYPE  
5

# CERTIFICATE OF CONFORMITY



*ApprovalMark International* hereby grants:

## PIPEMAKERS AUSTRALIA PTY LTD

501 Foleys Road  
Deer Park, VIC 3023  
Australia

### ISO Type 5 Certificate of Conformity

Evaluated to:

### AS/NZS 1260:2017 – PVC-U pipes and fittings for drain, waste and vent applications

The ISO Type 5 License shall comply with all the terms and conditions as stipulated by the governance of the operating rules of the ISO Type 5 Scheme and shall comply with the standard requirements at all times including when the standard is amended. The ISO Type 5 License only covers the product which is identified in the attached product schedule.

### Certificate No. AMI 71015

Issued: 15<sup>th</sup> December 2022

Original Issue: 21<sup>st</sup> October 2012

Expires: 21<sup>st</sup> October 2027

**John PRASAD**

Director

ApprovalMark International Pty Ltd  
18/33 Holbeche Road, Arndell Park 2148, Australia  
[www.approvalmark.com](http://www.approvalmark.com)



Registered by: ApprovalMark International Pty Ltd (ABN 69 143 259 974) Unit 18, 33 Holbeche Road, Arndell Park NSW 2148 Australia. The assessment was carried with appropriate skill and assessment by ApprovalMark International Pty Ltd, however it will only accept its responsibility for proven negligence. The certificate remains the property of ApprovalMark International Pty Ltd.

ApprovalMark™



# Product Schedule

## Pipemakers Australia Pty Ltd

501 Foleys Road  
Deer Park, VIC 3023  
AUSTRALIA

### ISO Type 5 Certificate of Conformity

Evaluated to:

### AS/NZS 1260:2017 PVC-U pipes and fittings for drain, waste and vent applications

| Model ID | Model Name | Brand Name | Product Description   | Endorsement Date               |
|----------|------------|------------|---|--------------------------------|
| DN40     | DN40DP     | Pipemakers | DWV Pipe - Plain Wall Grey, DN40, 3m, 6m                                    | 15 <sup>th</sup> December 2022 |
| DN50     | DN50DP     | Pipemakers | DWV Pipe - Plain Wall Grey, DN50, 3m, 6m                                    | 15 <sup>th</sup> December 2022 |
| DN65     | DN65DP     | Pipemakers | DWV Pipe - Plain Wall Grey, DN65, 3m, 6m                                    | 15 <sup>th</sup> December 2022 |
| DN80     | DN80DP     | Pipemakers | DWV Pipe - Plain Wall Grey, DN80, 3m, 6m                                    | 15 <sup>th</sup> December 2022 |
| DN100    | DN100DP    | Pipemakers | DWV Pipe – Plain Wall-Grey, DN100, SN6 & 10, SCJ or RRJ - 3m, 6m            | 15 <sup>th</sup> December 2022 |
| DN150    | DN150DP    | Pipemakers | DWV Pipe – Plain Wall-Grey, DN150, SN4, 6, 8 & 10, SCJ or RRJ - 3m, 6m      | 15 <sup>th</sup> December 2022 |
| DN225    | DN225DP    | Pipemakers | DWV Pipe – Plain Wall-Grey, DN225, SN4, 6, 8 & 10, SCJ or RRJ - 3m, 6m      | 15 <sup>th</sup> December 2022 |
| DN300    | DN300DP    | Pipemakers | DWV Pipe – Plain Wall-Grey, DN300, SN4, 6, 8 & 10, SCJ or RRJ - 3m, 6m      | 15 <sup>th</sup> December 2022 |
| DN375    | DN375DP    | Pipemakers | DWV Pipe – Plain Wall-Grey, DN375, SN4, 6, 8 & 10, SCJ or RRJ - 3m, 6m      | 15 <sup>th</sup> December 2022 |
| DN100    | DN100DP    | Pipemakers | DWV Pipe – Foam Core Wall-Grey, DN100, SN6 & 10, SCJ or RRJ - 3m, 6m        | 15 <sup>th</sup> December 2022 |
| DN150    | DN150DP    | Pipemakers | DWV Pipe – Foam Core-Grey, DN150, SN4, 6, 8 & 10, SCJ or RRJ - 3m, 6m       | 15 <sup>th</sup> December 2022 |
| DN225    | DN225DP    | Pipemakers | DWV Pipe – Foam Core-Grey, DN225, SN4, 6, 8 & 10, SCJ or RRJ - 3m, 6m       | 15 <sup>th</sup> December 2022 |
| DN300    | DN300DP    | Pipemakers | DWV Pipe – Foam Core-Grey, DN300, SN4, 6, 8 & 10, SCJ or RRJ - 3m, 6m       | 15 <sup>th</sup> December 2022 |
| DN375    | DN375DP    | Pipemakers | DWV Pipe – Foam Core-Grey, DN375, SN4, 6, 8 & 10, SCJ or RRJ - 3m, 6m       | 15 <sup>th</sup> December 2022 |
| DN100    | DN100DP    | Pipemakers | DWV Pipe – Solid Core Wall-Grey, DN100, SN6 & 10, SCJ or RRJ - 3m, 6m       | 15 <sup>th</sup> December 2022 |
| DN150    | DN150DP    | Pipemakers | DWV Pipe – Solid Core Wall-Grey, DN150, SN4, 6, 8 & 10, SCJ or RRJ - 3m, 6m | 15 <sup>th</sup> December 2022 |



# Product Schedule

| Model ID | Model Name | Brand Name | Product Description   | Endorsement Date               |
|----------|------------|------------|---|--------------------------------|
| DN225    | DN225DP    | Pipemakers | DWV Pipe – Solid Core Wall-Grey, DN225, SN4, 6, 8 & 10, SCJ or RRJ - 3m, 6m | 15 <sup>th</sup> December 2022 |
| DN300    | DN300DP    | Pipemakers | DWV Pipe – Solid Core Wall-Grey, DN300, SN4, 6, 8 & 10, SCJ or RRJ - 3m, 6m | 15 <sup>th</sup> December 2022 |
| DN375    | DN375DP    | Pipemakers | DWV Pipe – Solid Core Wall-Grey, DN375, SN4, 6, 8 & 10, SCJ or RRJ - 3m, 6m | 15 <sup>th</sup> December 2022 |

*End of record*

**Certificate No. AMI 71015**

*The models identified above in the schedule are endorsed for ISO Type 5 application only.*

ApprovalMark





# BEST ENVIRONMENTAL PRACTICE



*ApprovalMark International* hereby grants:

## Pipemakers Australia Pty Ltd

186 Ingram Road  
Acacia Ridge, QLD 4110  
AUSTRALIA

### Best Environmental Practice - PVC

Evaluated to:

- AS/NZS 1254:2010 - PVC-U - Pipes and fittings for storm water and surface water applications
- AS/NZS 1260:2017 - PVC - U - Pipes and fittings for drain, waste and vent applications
- AS/NZS 1477:2017 - PVC- U Pipes and fittings for pressure application
- AS/NZS 4441:2017 - Orientated PVC (PVC-O) pipes for pressure applications
- AS/NZS 4765:2017 - Modified PVC (PVC-M) pipes for pressure applications
- NZS 2053.2:2001 - Conduits and fittings for electrical installations -  
2: Rigid plain conduits and fittings of insulating material

AS/  
Part

The licensee adheres to the Best Environmental Practice – PVC guidelines as outlined in the Green Building Council of Australia (GBCA) Literature Review and Best Practice Guidelines for the Life Cycle of PVC Building Products. This includes compliance with the relevant specified standards and Section 7 of the GBCA guidelines. Additionally, the manufacturer's technical documentation has been thoroughly reviewed and found to align with these standards.

- Manufacture of PVC Resin
- Manufacture and end of life management of PVC products
- Use of PVC Recyclate in PVC products

Any changes introduced to above requirements shall immediately be reported to ApprovalMark International in order to examine the validity of the certificate.

**Certificate No. BEP-PVC 4110**

**Issued:** 20<sup>th</sup> February 2024

**Originally Certified:** 20<sup>th</sup> February 2012

**Expires:** 20<sup>th</sup> February 2026

**Current Certification:** 20<sup>th</sup> February 2024

**John PRASAD**

Director

ApprovalMark International Pty Ltd  
18/33 Holbeche Road, Arndell Park 2148, Australia

Registered by: ApprovalMark International Pty Ltd (ABN 60 143 250 074) Unit 18, 33 Holbeche Road, Arndell Park NSW 2148, Australia. The agreement



# BEST ENVIRONMENTAL PRACTICE



*ApprovalMark International* hereby grants:

## Pipemakers Australia Pty Ltd

501 Foleys Road  
Deer Park, VIC 3023  
Australia

### Best Environmental Practice - PVC

Evaluated to:

**AS/NZS 1254:2010 - PVC-U Pipes and fittings for stormwater and surface water applications**  
**AS/NZS 1260:2017 - PVC-U - Pipes and fittings for drain, waste and vent applications**  
**AS/NZS 1477:2017 - PVC-U - Pipes and fittings for pressure applications**  
**AS/NZS 4441:2017 - Orientated PVC (PVC-O) pipes for pressure applications**  
**AS/NZS 4765:2017 - Modified PVC (PVC-M) pipes for pressure applications**  
**AS/NZS 2053.2:2001 - Conduits and fittings for electrical installations - Part 2: Rigid plain conduits and fittings of insulating material**

The licensee adheres to the Best Environmental Practice – PVC guidelines as outlined in the Green Building Council of Australia (GBCA) Literature Review and Best Practice Guidelines for the Life Cycle of PVC Building Products. This includes compliance with the relevant specified standards and Section 7 of the GBCA guidelines. Additionally, the manufacturer's technical documentation has been thoroughly reviewed and found to align with these standards.

- **Manufacture of PVC Resin**
- **Manufacture and end of life management of PVC products**
- **Use of PVC Recyclate in PVC products**

Any changes introduced to above requirements shall immediately be reported to ApprovalMark International in order to examine the validity of the certificate.

### Certificate No. **BEP-AMI 542**

**Issued:** 29<sup>th</sup> February 2024

**Originally Certified:** 29<sup>th</sup> February 2012

**Expires:** 29<sup>th</sup> February 2026

**Current Certification:** 29<sup>th</sup> February 2024

**John PRASAD**

Director

ApprovalMark International Pty Ltd  
18/33 Holbeche Road, Arndell Park 2148, Australia

Registered by: ApprovalMark International Pty Ltd (ABN 69 143 259 974) Unit 18, 33 Holbeche Road, Arndell Park NSW 2148 Australia. The assessment

## **APPENDIX C - SUPPLIER CONTACTS**

Pipemakers Australia Pty Ltd

Email: [sales@pipemakers.com.au](mailto:sales@pipemakers.com.au)

Website: [www.pipemakers.com.au](http://www.pipemakers.com.au)

Southern Region

Tel: 03 8361 7115

Northern Region

Tel: 07 3344 3377

Western Region

Tel: 08 6250 3100



**Melbourne Office**

Wurundjeri Country  
Level 8, Suite 8.02  
401 Docklands Drive  
Docklands VIC 3008

**Sydney Office**

Gadigal Country  
Level 6 75 Elizabeth Street  
Sydney NSW 2000  
GPO Box 915  
Sydney NSW 2001

P +61 (0) 3 8605 7600  
email: [info@wsaa.asn.au](mailto:info@wsaa.asn.au)

[www.wsaa.asn.au](http://www.wsaa.asn.au)