



WSAA PRODUCT APPRAISAL CERTIFICATE

Reece Australia Pty Ltd Dimax Ductile Iron Pipes

This appraisal addresses Reece Dimax ductile iron pipes suitable for conveyance of drinking water, non-drinking water and sewage.

The scope of this appraisal includes ductile iron pipe in sizes DN 100 to DN 750 with TYTON® spigot and socket elastomeric joints manufactured to AS/NZS 2280:2014 *Ductile iron pipes and fittings*. TYTON-LOK restrained joints are also included for DN 100 to DN 375 for PN16 pressure classifications.

Pipes with PN20 pressure classification are available in sizes from DN 375 to DN 750 whilst pipes with PN35 and Flange Class pressure classifications are available in sizes from DN 100 to DN 750.

The pipes may be internally lined with Sulphate Resistant (SR) cement mortar for drinking and non-drinking water applications or Calcium Aluminate (CA) cement mortar for sewerage and aggressive non-drinking waters with $pH >4 < 12$ or polyurethane (PU) for transport of sewerage and aggressive waters with $pH >1 < 13$. Epoxy seal coating is optionally available on SR cement mortar linings for all pipe sizes.

The external coating options are metallic zinc coating or zinc-aluminum-rare earth alloy with a two-part epoxy finishing layer. The PU lined pipe is coated with zinc-aluminum-rare earth alloy.

A complete listing of Quality and Product Certificates and details of products are included in the attached Schedules A and B. Supplier details are included in Schedule C

Product Category	Ductile iron pipes
PA Number:	PA 1920 Issue 2
Supplier	Reece Australia Pty Ltd
Brand	DIMAX
Standards	AS/NZS 2280:2014 <i>Ductile iron pipes and fittings</i>
WSAA Product Specification	<i>WSA PS-200 Ductile Iron Pipes (CIOD) for Pressure Applications – Water Supply and Sewerage.</i>
Issue date	17 April 2021
Expiry date	8 April 2025
Recommendations	It is recommended that WSAA members, subject to any specific requirements of the member, accept or authorise the DIMAX range of ductile iron pipes as detailed in the report for use in water supply and sewerage applications subject to any relevant conditions relating to the design, installation and acceptance testing being in accordance with the relevant WSAA Codes and manufacturer's requirements.
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.

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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

QUALITY AND PRODUCT CERTIFICATIONS

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

TABLE A1 VIADUX PTY LTD – MANAGEMENT SYSTEMS

Campbellfield Vic, Wetherill Park NSW, Molendinar Qld	
Quality Systems Standard	ISO 9001:2015
Certification Licence No.	228-Q-4
Certifying Agency	Global Compliance Certification
First Date of Certification	4 September 2017
Current Date of Certification	31 August 2020
Expiry Date of Certification	3 September 2023

TABLE A2 XINXING DUCTILE IRON PIPES CO LTD. – MANAGEMENT SYSTEMS

Wuan City, Hebei Province, China	
Quality Systems Standard	ISO 9001:2015
Certification Licence No.	10117794
Certifying Agency	Lloyd's Register
First Date of Certification	3 July 2003
Current Date of Certification	1 August 2018
Expiry Date of Certification	31 July 2021

TABLE A3 REECE AUSTRALIA PTY LTD– PRODUCT CERTIFICATION

118-126 Burwood Hwy, Burwood VIC	
Product Standard/Spec.	AS/NZS 2280:2014
Certificate No.	SMK 26514
Issuing Certification Body	SAI-Global
First Date of Certification	16 March 2020
Current Date of Certification	16 March 2020
Expiry Date of Certification	15 March 2025

PRODUCT DETAILS

DIMAX DICL PIPE DIMENSIONS

Nominal diameter DN	PN 20		PN 35		Flange Class		Mean outside diameter (mm)
	Nominal wall thickness (mm)	Minimum wall thickness (mm)	Nominal wall thickness (mm)	Minimum wall thickness (mm)	Nominal wall thickness (mm)	Minimum wall thickness (mm)	
100	-	-	4.9	3.5	7.4	6.0	122
150	-	-	5.0	3.5	7.5	6.0	177
200	-	-	5.0	3.5	8.5	7.0	232
225	-	-	5.0	3.5	8.5	7.0	259
250	-	-	5.2	3.6	9.6	8.0	286
300	-	-	5.9	4.3	9.6	8.0	345
375	4.8	3.1	7.0	5.3	10.7	9.0	426
450	5.4	3.6	8.1	6.3	11.8	10.0	507
500	5.8	4.0	8.8	7.0	11.8	10.0	560
600	6.7	4.8	10.2	8.3	12.9	11.0	667
750	8.0	5.9	12.3	10.2	15.1	13.0	826

DIMAX DI PIPE RANGE

Nominal Diameter DN	Pressure Class	Effective Length (m)	External Coating Options	Lining Options
375 to 750	PN 20	5.70	Metallic Zinc or Zinc-Aluminium- Rare Earth Alloy	SR, SR+SC, CA, PU
100 to 750	PN 35	5.70		SR, SR+SC, CA, PU
100 to 750	Flange Class	5.70		SR, SR+SC, CA, PU

SUPPLIER CONTACTS

VIADUX CUSTOMER CENTRES

Website store locator: <https://www.viadux.com.au/about-us/locations>

Townsville Customer Centre (CCT)
19-29 Corporate Crescent, Garbutt, QLD, 4814
Tel: (07) 4725 5940
Email: cct.sales@viadux.com.au

Gold Coast Customer Centre (CCG)
27-29 Industrial Avenue, Molendinar, QLD, 4214.
Tel: (07) 5501 1400
Email: ccg.sales@viadux.com.au

Newcastle Customer Centre (CCN)
14 Yangan Drive, Beresfield, NSW, 2323
Tel: 1300 842 389
Email: ccn.sales@viadux.com.au

Sydney Customer Centre (CCS)
21 Frank Street, Wetherill Park, NSW. 2164
Tel: (02) 9794 3400
Email: ccs.sales@viadux.com.au

Melbourne Customer Centre (CCM)
209 Barry Road, Campbellfield, VIC. 3061
Tel: (03) 9309 9133
Email: ccm.sales@viadux.com.au

Adelaide Customer Centre (CCA)
20 Taminga St, Regency Park, S.A. 5010
Tel: (08) 8440 5980
Email: cca.sales@viadux.com.au

Perth Customer Centre (CCP)
29 Colin Jamieson Drive, Welshpool, WA. 6106
Tel: (08) 9334 8100
Email: ccp.sales@viadux.com.au

Darwin Customer Centre (CCP)
9 McCourt Road, Yarrowonga, NT. 0830
Tel: (08) 8931 5100
Email: ccd.sales@viadux.com.au

REECE CIVIL STORES

Website store locator: <https://www.reece.com.au/aboutus/contactus>