

WSAA PRODUCT APPRAISAL CERTIFICATE

ACP Australian Custom Pipes Pty Ltd Polyethylene (PE) Pressure Pipe

This Appraisal is for Series 1 PE100 plain walled polyethylene pipes for drinking water, non-drinking water, pressure and non-pressure sewerage in sizes from DN 16 to DN 630 and pressure classifications from PN4 to PN25.

This Issue 8 is to include additional sizes from DN 355 to DN 630.

ACP pipes are available in lengths up to 20 metres and in coils for sizes up to DN 140.

The PE100 pipe range includes pipes for drinking water, black with blue stripes or jackets, pipes for non-drinking water, black with purple stripes or jackets, pipes for pressure sewer, black with cream stripes or jackets, pipes for non-pressure sewer, black with grey stripes or jackets and co-extruded white internal jacket and pipes for multi-purpose use, plain black.

Product Category	Polyethylene (PE) pipes
PA Number:	PA 1731 Issue 8
Supplier	ACP Australian Custom Pipes Pty Ltd
Brand	ACP
Standards	AS/NZS 4130:2018 <i>Polyethylene (PE) pipes for pressure applications</i>
WSAA Product Specifications	WSA PS 207 – <i>Polyethylene (PE) Pipes for Pressure Applications – Drinking Water, Non-Drinking Water Supply and Sewerage</i> WSA PS 215 – <i>Polyethylene (PE) Property Service Pipes for Pressure Applications – Drinking Water and Non-Drinking Water Supply</i> WSA PS 242 – <i>Polyethylene (PE) Plain Wall Pipes and Fittings for Non-Pressure Applications-Sewerage</i>
Other Specifications	
Issue date	28 August 2026
Expiry date	21 February 2028
Recommendations	It is recommended that WSAA members, subject to any specific requirements of the member, accept or authorise ACP PE100 polyethylene pipes for use in water supply and sewerage networks, provided they are installed and tested in accordance with WSAA Codes and the manufacturer's requirements, where specified.
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.

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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).

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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 CERTIFICATIONS

Copies of the following quality certificates are available from WSAA.

SCHEDULE A1 ACP AUSTRALIAN CUSTOM PIPES PTY LTD - MANAGEMENT SYSTEM

24A Alfred Road Chipping Norton NSW	
Quality Systems Standard	ISO 9001:2015
Certification Licence No.	Client ID 100897
Certifying Agency	Global-Mark Pty Ltd
First Date of Certification	28 January 2024
Current Date of Certification	27 February 2024
Expiry Date of Certification	28 February 2027

SCHEDULE A2 ACP AUSTRALIAN CUSTOM PIPES PTY LTD - PRODUCT CERTIFICATION

24A Alfred Road Chipping Norton NSW	
Product Standard/Spec.	AS/NZS 4130:2018
Certificate No.	Client ID 100897
Issuing Certification Body	Global-Mark Pty Ltd
First Date of Certification	26 February 2014
Current Date of Certification	30 July 2026
Expiry Date of Certification	22 January 2029



PRODUCT LITERATURE



DESCRIPTION: PE100 Series 1 AS/NZS4130:2018 Polyethylene Pipe

COLOUR: Standard Black or with Stripes or Jacket as agreed with customer

PIPE DIMENSIONS:

Nominal Outside Diameter (DN)	Mean Outside Diameter (Dm)		Ovality	SDR41 (PN4)			SDR26 (PN6.3)			SDR21 (PN8)		
				Wall Thickness (T)		Nominal Weight (kg/100m)	Wall Thickness (T)		Nominal Weight (kg/100m)	Wall Thickness (T)		Nominal Weight (kg/100m)
	Min	Max	Max	Min	Max		Min	Max		Min	Max	
16	16.0	16.3	1.2	-	-	-	-	-	-	-	-	-
20	20.0	20.3	1.2	-	-	-	-	-	-	-	-	-
25	25.0	25.3	1.2	-	-	-	-	-	-	-	-	-
32	32.0	32.3	1.3	-	-	-	-	-	-	1.6	1.9	16.0
40	40.0	40.4	1.4	-	-	-	-	-	-	1.9	2.2	23.6
50	50.0	50.5	1.4	-	-	-	-	-	-	2.4	2.8	37.4
63	63.0	63.6	1.5	-	-	-	2.4	2.8	47.6	3.0	3.4	58.0
75	75.0	75.7	1.6	-	-	-	2.9	3.3	67.5	3.6	4.1	83.0
90	90.0	90.9	1.8	-	-	-	3.5	4.0	98.1	4.3	4.9	119.1
110	110.0	111.0	2.2	2.7	3.1	94.1	4.3	4.9	146.9	5.3	6.0	178.7
125	125.0	126.2	2.5	3.1	3.6	123.5	4.8	5.4	185.3	6.0	6.7	228.4
140	140.0	141.3	2.8	3.5	4.0	154.8	5.4	6.1	233.9	6.7	7.5	286.0
160	160.0	161.5	3.2	4.0	4.5	200.6	6.2	7.0	306.8	7.7	8.6	375.1
180	180.0	181.7	3.6	4.4	5.0	249.7	6.9	7.7	382.1	8.6	9.6	471.4
200	200.0	201.8	4.0	4.9	5.5	306.9	7.7	8.6	473.8	9.6	10.7	583.9
225	225.0	227.1	4.5	5.5	6.2	388.7	8.6	9.6	595.7	10.8	12.0	738.3
250	250.0	252.3	5.0	6.2	7.0	487.0	9.6	10.7	738.0	11.9	13.2	903.5
280	280.0	282.6	5.8	6.9	7.7	603.5	10.7	11.9	920.5	13.4	14.9	1140.5
315	315.0	317.9	6.6	7.7	8.6	758.1	12.1	13.5	1172.7	15.0	16.6	1433.2
355	355.0	358.2	7.5	8.7	9.7	964.2	13.6	15.1	1481.7	16.9	18.7	1819.5
400	400.0	403.6	8.4	9.8	10.9	1222.3	15.3	17.0	1879.1	19.1	21.2	2320.2
450	450.0	454.1	9.6	11.0	12.2	1541.4	17.2	19.1	2376.0	21.5	23.8	2934.4
500	500.0	504.5	10.8	12.3	13.7	1918.8	19.1	21.2	2930.8	23.9	26.4	3620.2
560	560.0	565.0	12.3	13.7	15.2	2389.1	21.4	23.7	3673.4	26.7	29.5	4530.6
630	630.0	635.7	14.1	15.4	17.1	3022.8	24.1	26.7	4655.0	30.0	33.1	5723.6
710	710.0	716.4	16.1	17.4	19.3	3846.6	27.2	30.1	5917.0	33.9	37.4	7287.5

- All dimensions in mm unless specified;

- Pipe weights based on Black pipe;

Nominal Outside Diameter (DN)	Mean Outside Diameter (Dm)		Ovality	SDR17 (PN10)			SDR13.6 (PN12.5)			SDR11 (PN16)		
				Wall Thickness (T)		Nominal Weight (kg/100m)	Wall Thickness (T)		Nominal Weight (kg/100m)	Wall Thickness (T)		Nominal Weight (kg/100m)
	Min	Max	Max	Min	Max		Min	Max		Min	Max	
16	16.0	16.3	1.2	-	-	-	-	-	-	1.6	1.9	7.6
20	20.0	20.3	1.2	-	-	-	1.6	1.9	9.7	1.9	2.2	11.2
25	25.0	25.3	1.2	1.6	1.9	12.4	1.9	2.2	14.3	2.3	2.7	17.1
32	32.0	32.3	1.3	1.9	2.2	18.6	2.4	2.8	23.2	2.9	3.3	27.2
40	40.0	40.4	1.4	2.4	2.8	29.5	3.0	3.4	35.7	3.7	4.2	43.2
50	50.0	50.5	1.4	3.0	3.4	45.4	3.7	4.2	55.2	4.6	5.2	67.0
63	63.0	63.6	1.5	3.8	4.3	72.4	4.7	5.3	87.9	5.8	6.5	106.0
75	75.0	75.7	1.6	4.5	5.1	102.1	5.5	6.2	122.6	6.8	7.6	148.0
90	90.0	90.9	1.8	5.4	6.1	146.9	6.6	7.4	176.2	8.2	9.2	214.5
110	110.0	111.0	2.2	6.6	7.4	218.5	8.1	9.1	264.3	10.0	11.1	318.0
125	125.0	126.2	2.5	7.4	8.3	278.8	9.2	10.3	340.7	11.4	12.7	412.7
140	140.0	141.3	2.8	8.3	9.3	349.9	10.3	11.5	426.5	12.7	14.1	514.3
160	160.0	161.5	3.2	9.5	10.6	456.8	11.8	13.1	556.8	14.6	16.2	675.1



ACP

AUSTRALIAN CUSTOM PIPES

PLASTIC PIPE • FABRICATION • MOULDING SPECIALIST

PE100 Series 1 AS/NZS4130:2018 Pipe

PIPE DIMENSIONS (cont.):

Nominal Outside Diameter (DN)	Mean Outside Diameter (Dm)		Ovality	SDR17 (PN10)		Nominal Weight (kg/100m)	SDR13.6 (PN12.5)		Nominal Weight (kg/100m)	SDR11 (PN16)		Nominal Weight (kg/100m)
	Min	Max		Wall Thickness (T)	Max		Wall Thickness (T)	Max		Wall Thickness (T)	Max	
180	180.0	181.7	3.6	10.7	11.9	577.8	13.3	14.8	706.8	16.4	18.2	853.3
200	200.0	201.8	4.0	11.9	13.2	712.9	14.7	16.3	866.7	18.2	20.2	1052.1
225	225	227.1	4.5	13.4	14.9	904.7	16.6	18.4	1101.2	20.5	22.7	1332.6
250	250	252.3	5.0	14.8	16.4	1108.7	18.4	20.4	1356.6	22.7	25.1	1638.9
280	280.0	282.6	9.8	16.6	18.4	1392.9	20.6	22.8	1699.8	25.4	28.1	2054.7
315	315.0	317.9	11.1	18.7	20.7	1763.8	23.2	25.7	2154.2	28.6	31.6	2600.8
355	355.0	358.2	12.5	21.1	23.4	2244.6	26.1	28.9	2730.8	32.2	35.6	3301.0
400	400.0	403.6	14.0	23.7	26.2	2836.8	29.4	32.5	3463.2	36.3	40.1	4191.1
450	450.0	454.1	15.6	26.7	29.5	3594.3	33.1	36.6	4387.0	40.9	45.1	5307.4
500	500.0	504.5	17.5	29.6	32.7	4427.6	36.8	40.6	5412.8	45.4	50.1	6548.5
560	560.0	565.0	19.6	33.2	36.7	5563.0	41.2	45.5	6790.4	50.8	56.0	8203.1
630	630.0	635.7	22.1	37.3	41.2	7029.6	46.3	51.1	8583.5	57.2	63.1	10394.4
710	710.0	716.4	24.9	42.1	46.5	8940.5	52.2	57.6	10904.6	64.5	71.1	13203.6

- All dimensions in mm unless specified;
- Pipe weights based on Black pipe;

Nominal Outside Diameter (DN)	Mean Outside Diameter (Dm)		Ovality	SDR9 (PN20)		Nominal Weight (kg/100m)	SDR7.4 (PN25)		Nominal Weight (kg/100m)
	Min	Max		Wall Thickness (T)	Max		Wall Thickness (T)	Max	
16	16.0	16.3	1.2	1.8	2.1	8.4	2.2	2.6	10.0
20	20.0	20.3	1.2	2.3	2.7	13.3	2.8	3.2	15.5
25	25.0	25.3	1.2	2.8	3.2	20.0	3.5	4.0	24.2
32	32.0	32.3	1.3	3.6	4.1	32.9	4.4	5.0	38.9
40	40.0	40.4	1.4	4.5	5.1	51.2	5.5	6.2	60.6
50	50.0	50.5	1.4	5.6	6.3	79.5	6.9	7.7	94.6
63	63.0	63.6	1.5	7.1	8.0	126.9	8.6	9.6	148.8
75	75.0	75.7	1.6	8.4	9.4	178.4	10.3	11.5	211.9
90	90.0	90.9	1.8	10.1	11.3	257.4	12.3	13.7	303.7
110	110.0	111.0	2.2	12.3	13.7	382.3	15.1	16.8	454.8
125	125.0	126.2	2.5	14.0	15.5	493.1	17.1	19.0	585.5
140	140.0	141.3	2.8	15.7	17.4	619.4	19.2	21.3	735.3
160	160.0	161.5	3.2	17.9	19.8	806.7	21.9	24.2	957.3
180	180.0	181.7	3.6	20.1	22.3	1020.8	24.6	27.2	1210.4
200	200.0	201.8	4.0	22.4	24.8	1261.9	27.3	30.2	1492.7
225	225	227.1	4.5	25.1	27.8	1593.2	30.8	34.0	1893.6
250	250	252.3	5.0	27.9	30.8	1964.5	34.2	37.8	2337.6
280	280.0	282.6	9.8	31.3	34.6	2469.4	38.3	42.3	2931.2
315	315.0	317.9	11.1	35.2	38.9	3123.9	43.0	47.4	3700.1
355	355.0	358.2	12.5	39.6	43.7	3958.5	48.5	53.5	4703.6
400	400.0	403.6	14.0	44.7	49.3	5032.1	54.6	60.2	5965.9
450	450.0	454.1	15.6	50.2	55.4	6361.3	61.5	67.8	7558.5
500	500.0	504.5	17.5	55.8	61.5	7851.0	-	-	-
560	560.0	565.0	19.6	62.5	68.9	9849.4	-	-	-
630	630.0	635.7	22.1	70.3	77.5	12464.7	-	-	-
710	710.0	716.4	24.9	79.3	87.4	15841.9	-	-	-

- All dimensions in mm unless specified;
- Pipe weights based on Black pipe.

SUPPLIER CONTACTS

Australian Custom Pipes Pty Ltd

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