



Advanced Piping Systems Pty Ltd

PRODUCT APPRAISAL REPORT 2032 Issue 2

Plasitalia PE100 EF and Spigot Fittings for PE Pipe

AS/NZS 4129:2020 - Fittings for polyethylene (PE) pipes for pressure applications

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Peer Reviewers

Name/Title	Organisation	Date
Product Appraisal Technical Advisory Group	WSAA	3 July 2020
WSAA Expert Panel	WSAA	3 July 2020
Peter Pittard, WSAA Consultant	WSAA	30 April 2020
Carl Radford, Product Appraisal Manager	WSAA	8 July 2020
Peter Pittard, WSAA Consultant	WSAA	29 September 2021
Carl Radford, Product Appraisal Manager	WSAA	29 September 2021

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.

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1 EXECUTIVE SUMMARY

Advanced Piping Systems Pty Ltd is a specialist supplier of polyethylene pipes and fittings based in South Australia. The company was established in 1990 and provides a nationwide service to the water, plumbing, irrigation, mining and industrial segments.

Plastitalia SpA is based in Brolo, Sicily, Italy and is a major manufacturer of polyethylene fittings for water, gas and industrial fluids.

This Appraisal is for a range of Plastitalia PE100 injection moulded electrofusion socketed fittings, long spigotted fittings for electrofusion and butt-weld jointing and electrofusion saddles.

The fittings are manufactured in accordance with AS/NZS 4129:2020 *Fittings for polyethylene (PE) pipes for pressure applications*.

This Issue 2 is to update the quality certifications.

Plastitalia fittings are suitable for use with polyethylene (PE) pipes manufactured in accordance with AS/NZS 4130 - *Polyethylene (PE) pipes for pressure applications* for conveyance of drinking water, non-drinking water and sewerage in aboveground and below ground applications.

The Plastitalia range of fittings includes couplers, end caps, elbows, reducers, tees, stub ends, crosses, Y's, tapping tees, tapping valves and branch saddles in sizes from DN 20 to DN 800.

The electrofusion range of fittings are rated as PN16 with couplings also available with PN4, PN10 and PN25 ratings. The spigotted fittings are generally available with PN10, PN16, PN20 and PN25 ratings.

See Section 3 for further details.

Both Advanced Piping Systems Pty Ltd and Plastitalia SpA holds an ISO 9001:2015 Quality Management System Licence.

The Plastitalia PE fittings have ISO Type 5 product certification to AS/NZS 4129:2020 *Fittings for polyethylene (PE) pipes for pressure applications*.

This Appraisal has determined that the Plastitalia range of PE100 fittings, as detailed in this report, meet the requirements of WSA PS-208 *Polyethylene (PE) Moulded Pressure Fittings for Pressure Applications - Water Supply and Sewerage* and WSA PS-329 *Tapping Saddles, Electrofusion, for Use with Polyethylene (PE) Mains for Pressure Applications - Water Supply* and are considered as 'fit-for-purpose'.

1.1 Report Recommendation

It is recommended that WSAA members, subject to any specific requirements of the member, accept or authorise the Plastitalia PE100 fittings, as detailed in this report, for use in drinking water, non-drinking water and sewerage applications provided the design, installation and acceptance testing are in accordance with the relevant Standards, WSAA Codes and the manufacturer's requirements.

2 THE APPLICANT

The applicant is Advanced Piping Systems Pty Ltd.

2.1 The Supplier

Advanced Piping Systems Pty Ltd is a specialist supplier of polyethylene pipes and fittings based in South Australia. The company was established in 1990 and provides a nationwide service to the water, plumbing, irrigation, mining and industrial segments.

2.2 The Manufacturer

Plastitalia SpA is based in Brolo, Sicily, Italy and is a major manufacturer of polyethylene fittings for water, gas and industrial fluids.

3 THE PRODUCT

This Appraisal is for a range of PE100 Plastitalia injection moulded electrofusion socketed fittings, long spigotted fittings for electrofusion or butt-weld jointing and electrofusion saddles. The fittings are manufactured in accordance with AS/NZS 4129:2020 *Fittings for polyethylene (PE) pipes for pressure applications*.

Plastitalia fittings are suitable for use with polyethylene (PE) pipes manufactured in accordance with AS/NZS 4130 - *Polyethylene (PE) pipes for pressure applications* for conveyance of drinking water, non-drinking water and sewerage in aboveground and below ground applications.

The Plastitalia range of fittings includes couplers, end caps, elbows, reducers, tees, stub ends, crosses, Y's, tapping tees, tapping valves and branch saddles in sizes from DN 20 to DN 800.

The electrofusion range of fittings are rated as PN16 with couplings also available with PN4, PN10 and PN25 ratings. The spigotted fittings are generally available with PN10, PN16, PN20 and PN25 ratings.

The Plastitalia PN16 electrofusion saddles are for the purpose of providing property service connections from PE pipe and are sealed using electrofusion techniques.

Figure 1 summarises the electrofusion range of fittings, Figure 2 summarises the spigotted range of fittings and Figure 3 summarises the range of tapping tees and tapping valves.



FIGURE 1: PLASTITALIA ELECTROFUSION SOCKETED FITTINGS

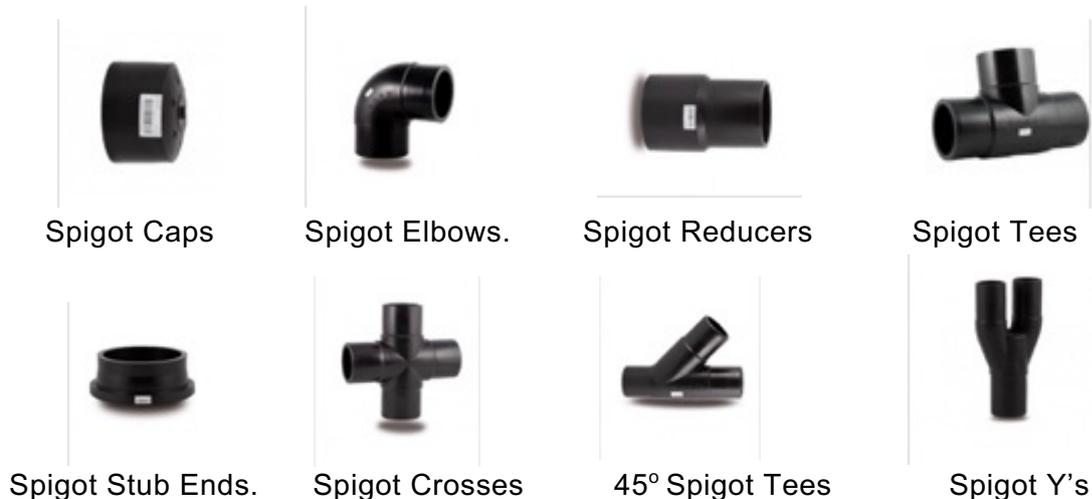


FIGURE 2: PLASTITALIA LONG SPIGOT FITTINGS



FIGURE 3: PLASTITALIA - ELECTROFUSION SADDLES

TABLE 1 DETAILS OF PLASTITALIA PE100 FITTINGS

Product Group	Product Type	DN range	PN
Electrofusion Fittings	Couplers	32 - 630	4, 10, 16, 25
	End Caps	20 - 315	16
	90 Elbows	20 - 315	16
	45 Elbows	32 - 315	16
	22½ Elbows	90 - 315	16
	11¼ Elbows	90 - 315	16
	Reducers	25 - 315	16
	Equal Tee	20 - 315	16
	Reducing Tees	90 - 180	16
	Tapping Tees	40 - 315	16
	Tapping Valves	40 - 315	16
	Branch Saddles	40 - 630	16
Long Spigot Fittings	Caps	20 - 800	10, 16, 20, 25
	90 Elbows	25 - 400	10, 16, 20, 25
	45 Elbows	25 - 400	10, 16, 20, 25
	Reducers	25 - 400	10, 16, 20, 25
	Equal Tees	25 - 630	10, 16, 20, 25
	Reducing Tees	90 - 630	10, 16, 20, 25
	Stub Ends – Short Spigot	25 - 630	10, 16, 20, 25
	Crosses	63 - 160	10, 16, 20, 25
	45 Tees	63 - 160	10, 16, 20, 25
	Y's	32 - 50	16

Further details may be obtained from the Plastitalia Product Catalogue or the ACS ISO Type 5 Product Schedule available from WSAA.

4 SCOPE OF THE APPRAISAL

The scope of this appraisal is for Plastitalia PE100 injection moulded electrofusion socketed fittings, long spigotted fittings and electrofusion saddles in sizes from DN 20 to DN 800, as described in Section 3 and the ISO Type 5 Product Certification Schedule.

5 APPRAISAL CRITERIA

5.1 Quality Assurance Requirements

The WSAA Product Appraisal Technical Advisory Group accepts fittings for use with PE pipes manufactured in compliance with AS/NZS 4129:2020 *Fittings for polyethylene (PE) pipes for pressure 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 AS/NZS 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

Plastitalia electrofusion and butt-welding fittings have been appraised for compliance with AS/NZS 4129:2020 *Fittings for polyethylene (PE) pipes for pressure 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-208 *Polyethylene (PE) Moulded Pressure Fittings for Pressure Applications - Water Supply and Sewerage*.

WSA PS-329 *Tapping Saddles, Electrofusion, for Use with Polyethylene (PE) Mains for Pressure Applications - Water Supply*.

The Product Specifications are available at the following link:

<https://www.wsaa.asn.au/shop/product/35716>

6 COMPLIANCE WITH APPRAISAL CRITERIA

6.1 Compliance with Quality Assurance Requirements

Advanced Piping Systems has submitted the following quality certificates:

- ISO 9001:2015 Certificate of Registration No. AU907-QC issued to Advanced Piping Systems Pty Ltd by TCQSI.
- ISO 9001:2015 Certificate of Registration No. IT-3355 issued to Plastitalia SpA by CISQ
- AS/NZS 4129:2020 ISO Type 5 product certification Licence No. 3013 issued to Plastitalia SpA by Australian Certification Services.

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

6.2 Compliance with Performance Requirements

6.2.1 Polyethylene Material Composition

AS/NZS 4129 requires PE compounds used in the manufacture of injection moulded fittings to comply with AS/NZS 4131.

Advanced Piping Systems has provided documentation to indicate that the following PE100 compounds utilised in the manufacture of Plastitalia PE fittings are Borealis Borsafe HE3490-LS-H and Sabic Vestolen A RELY 5922R 10000

Borealis Borsafe HE3490-LS-H is listed in the PIPA Industry Guidelines POP 004 as complying with AS/NZS 4131 and a copy of a test report by Exova Polymer (SWEDAC accreditation number 1382) has been submitted to demonstrate compliance of Sabic Vestolen A RELY 5922R 10000 with EN 1555 (equivalent to AS/NZS 4131).

6.2.2 Effect on Water

Copies of test reports have been submitted to demonstrate that the PE compounds detailed in Section 6.2.1 comply with AS/NZS 4020 as follows:

Eurofins (NATA accreditation number 15773) report number AAF88938 dated 13th January 2020 for a DN 25 coupling manufactured from Borsafe HE3490-LS-H and tested to AS/NZS 4020:2018. This compound is also listed in POP 004 as compliant with AS/NZS 4020.

Eurofins (NATA accreditation number 15773) report number 1730765 dated 19th February 2018 for DN 20 pipe manufactured from Sabic Vestolen A RELY 5922R 10000 and tested to AS/NZS 4020:2005.

It is the responsibility of the fittings manufacturer to ensure that AS/NZS 4020 certification for the PE100 compounds remains current.

6.2.3 Type Testing

AS/NZS 4129 calls up a range of type tests for electrofusion fittings, spigot fittings and tapping saddles.

Advanced Piping Systems has submitted copies of type test reports for tests completed by Istituto Italiano Dei Plastica (Accredia Certification No.0097) to demonstrate compliance with the performance requirements of AS/NZS 4129.

7 FITTING INSTRUCTIONS, TRAINING AND INSTALLATION

A copy of installation instructions is available directly from Advanced Piping Systems.

Polyethylene pipe systems have been commonly used in the Australian urban water industry for many years.

Electrofusion welding and butt fusion processes may be used for joining pipe-to-pipe or fitting-to-pipe. All welding is required to be performed by welders who have successfully completed training by a Registered Training Organisation, endorsed by the Plastics Industry Pipe Association for the relevant welding method(s).

The Plastics Industry Pipe Association provides technical guidelines for electrofusion welding in the following documents.

(a) POP001 *Electrofusion Jointing of Pipe and fittings for Pressure Applications*

(b) POP003 *Butt Fusion Jointing of PE Pipes and Fittings – Recommended Parameters.*

POP001 contains recommendations for equipment required, jointing, maintenance, servicing and calibration procedures, training and records to be kept.

POP003 is a guide to the butt fusion of polyethylene pipe using AS/NZS 4130 material as a basis, recommending the butt fusion procedures and parameters as specified in ISO 21307.

Copies of these documents can be downloaded from the PIPA website at www.pipa.com.au

Polyethylene pipe systems should be installed in accordance with AS/NZS 2033:2008 *Installation of polyethylene pipe systems.*

8 PRODUCT MARKING

The markings on Plastitalia PE fittings comply with the minimum requirements of AS/NZS 4129 as follows:

- a) Manufacturer's name or registered trademark: PLAS
- b) Date or batch code:
- c) Nominal size: e.g. DN 160
- d) Material identification: e.g. PE100
- e) Classification: e.g. SDR 11
- f) The number of this Standard: AS/NZS 4129.
- g) Product certification mark: 3013
- h) Additional information related to the fusion-jointing conditions (e.g. fusion and cooling times).

9 PACKAGING AND TRANSPORTATION

Plastitalia electrofusion fittings are packed in individual bags then collectively into cartons. The number of fittings per carton is dependent on the size and type of fitting. Electrofusion fittings should be stored in their individual bags until installation.

Spigot fittings are packaged in cartons.

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. Details of Advanced Piping Systems warranty is included in their terms and conditions of sale.

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

While electrofusion fittings are a mature and widely installed product, the Australian water industry has had varied experience with the performance of these fittings.

Many Water Agencies are cautious about the use of electrofusion fittings due to the lack of confidence in the skill of installers. Due to the history of erratic installation quality, it is imperative that a pre-requisite for all PE pipeline installers includes satisfactory completion of a recognised PE pipeline installation training program. In addition, it is recommended that for PE pipelines where electrofusion fittings are used, an attentive site supervision regime be adopted using qualified, experienced supervisors until the individual installer or contractor can demonstrate competence in all aspects of installation.

Plastitalia products covered by this Appraisal have been utilized within Australia for many years.

12 DISCUSSION

For information on quality polyethylene pipeline design, installation and testing processes refer to the WSAA Polyethylene Pipeline Code - WSA 01.

Electrofusion jointing of PE pipelines offers a permanently sealed and jointed system provided the electrofusion process is carried out correctly. The electrofusion jointed PE pipeline has the potential to have life expectancy equal to and in some cases well beyond other pipeline materials and jointing systems. The PE material is corrosion resistant and correctly made joints are permanently fused to provide a high level of joint integrity against leakage and/or infiltration over the long-term. Similar to other plastic pipe systems, PE is susceptible to fatigue from cyclic pressure changes and additional design considerations must be made if used in a pumped pipeline. Refer to WSAA Technical Note TN4.

PE pipelines are susceptible to permeation of specific organic chemicals (as are other pipeline systems) and care must be exercised if designing for installation in contaminated ground and/or brownfield sites.

13 OUTCOMES OF EXPERT PANEL PRODUCT REVIEW

No issues were raised.

14 FUTURE WORKS

There are no outstanding future work items.

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, Phone: 03 8605 7601 email 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 Recipients.

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

A complete catalogue may be sourced directly from Advanced Piping Systems or downloaded from the Plastitalia website at: <https://www.plastitaliaspa.com/#>



PRODUCTS CATALOGUE

Catálogo de productos

Catalogue produits

Produktkatalog



11/20

APPENDIX B - QUALITY CERTIFICATIONS

Copies of the following Quality Certification Certificates are available from WSAA.

TABLE B1: ADVANCED PIPING SYSTEMS - QUALITY MANAGEMENT SYSTEMS

30 Charles Street Beverley South Australia	
Quality Systems Standard	ISO 9001:2015
Certification Licence No.	AU907-QC
Certifying Agency	TQCSI
First Date of Certification	19 March 2008
Current Date of Certification	5 July 2021
Expiry Date of Certification	29 August 2024

TABLE B2: PLASTITALIA SpA - QUALITY MANAGEMENT SYSTEMS

Via Ferrara 98061 Brolo Messina Italy	
Quality Systems Standard	ISO 9001:2015
Certification Licence No.	IT-3355
Certifying Agency	CISQ
First Date of Certification	1 January 1997
Current Date of Certification	30 December 2020
Expiry Date of Certification	2 November 2023

TABLE B5: PLASTITALIA SpA - PRODUCT CERTIFICATION

Via Ferrara 98061 Brolo Messina Italy	
Product Standard/Spec.	AS/NZS 4129:2020
Certificate No.	3013
Issuing Certification Body	Australian Certification Services
First Date of Certification	6 April 2016
Current Date of Certification	22 January 2021
Expiry Date of Certification	5 April 2026



Certificate of Registration

Advanced Piping Systems Pty Ltd

ABN: 89 627 058 495

30 Charles Road, BEVERLEY, SA, 5009, Australia

operates a

Quality Management System

which complies with the requirements of:

ISO 9001:2015

The registration covers the warehousing and distribution of piping systems, fabrication of piping requirements and the sale and hire of specialised pipe welding equipment.

Original Certification: 19 March 2008
Certification/Reissue Date: 5 July 2021

Registration No: AU907-QC
Expiry Date: 29 August 2024

Craig J Bates
President
TQCS International (Group) Pty Ltd

For the TQCSI Certification Approval Panel

Sean Bates
Accreditation Manager
TQCS International Pty Ltd

This certificate verifies the original certificate issued and is valid as long as it is displayed as an electronic copy at www.tqcsi.com and surveillance audits are satisfactorily completed. TQCS International Pty Ltd (ABN 59 065 953 924) of Quality House, 117A Tapleys Hill Road, Hendon, SA, 5014, Australia issues certification subject to the TQCSI Rules of Certification.



www.tqcsi.com



www.aacb.com.au



www.iaf.nu



www.ias-anz.org/register



THE INTERNATIONAL CERTIFICATION NETWORK

CERTIFICATE

CISQ/IIP S.r.l. has issued an IQNet recognized certificate that the organization

PLASTITALIA SPA

legal place: VIA FERRARA - 98061 BROLO (ME)

VIA FERRARA - 98061 BROLO (ME)

has implemented and maintains a

Quality Management System

for the following scope:

Planning and production through injection moulding, welding and mechanical working of PE80 and PE100 fittings for transport of water, gas and under pressure fluids.

which fulfills the requirements of the following standard:

ISO 9001:2015

Issued on: 2020/12/30

First issued on: 1997/01/01

Expires on: 2023/11/02

This attestation is directly linked to the IQNet Partner's original certificate and shall not be used as a stand-alone document.

Registration Number: IT-3355 IIP 179



Alex Stoichitoiu
President of IQNET



Ing. Mario Romersi
President of CISQ

IQNet Partners*:

AENOR Spain AFNOR Certification France APCER Portugal CCC Cyprus CISQ Italy
CQC China CQM China CQS Czech Republic Cro Cert Croatia DQS Holding GmbH Germany EAGLE Certification Group USA
FCAV Brazil FONDONORMA Venezuela ICONTEC Colombia Inspecta Sertifiointi Oy Finland INTECO Costa Rica
IRAM Argentina JQA Japan KFQ Korea MIRTEC Greece MSZT Hungary Nemko AS Norway NSAI Ireland
NYCE-SIGE Mexico PCBC Poland Quality Austria Austria RR Russia SII Israel SIQ Slovenia
SIRIM QAS International Malaysia SQS Switzerland SRAC Romania TEST St Petersburg Russia TSE Turkey YUQS Serbia

* The list of IQNet partners is valid at the time of issue of this certificate. Updated information is available under www.iqnet-certification.com

The ISO Type 5 Product Schedule contains 44 pages and has therefore not been included in this report. A copy of the product schedule may be obtained from Advanced Piping Systems or WSAA.



PRODUCT CONFORMITY SCHEME – FULL CERTIFICATION

Certification Licence

Australian Certification Services Pty Ltd grants to:

Plastitalia S.p.A.

Trading as Trading as Plasitalia S.p.A.

the right to use the Certification Mark as shown above in conjunction with the Certificate No. on product/s as identified in the Schedule and as listed on the Australian Certification Services Website www.certificationservices.com.au and have been shown to comply with the relevant Standard/s referred to below. The Licensee is granted a licence to use the Certification Mark subject to the rules governing the use.

Product Type: Fittings for use with Polyethylene (PE) Pipe to AS/NZS 4130
Evaluated to: AS/NZS 4129:2020 Fittings for polyethylene (PE) pipes for pressure applications

Paul Greig
General Manager

Issue Date: 22nd January 2021
Initial Issue Date: 6th April 2016
Expiry Date: 5th April 2026

Certificate No.: 3013

This certificate remains the property of Australian Certification Services Pty Ltd

The Product Conformity Scheme (PCS) – Full Certification is a conformity assessment scheme based on ISO Guide 67 (system 5) and SA HB 18.28



APPENDIX C - SUPPLIER CONTACTS

Advanced Piping Systems Pty Ltd

30 Charles Street

Beverley, South Australia

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