



WSAA PRODUCT APPRAISAL CERTIFICATE

Future Pipe Industries LLC Fiberstrong® Filament Wound Glass Reinforced Plastic (GRP) Pipes and Fittings for Water and Sewerage Applications (DN 300 – DN 3000)

This appraisal is for a range of Fiberstrong Filament Wound (FW) GRP pipes and fittings for water and sewerage applications.

This Appraisal replaces PA 2022 (FW GRP for Water) and PA 2021 (FW GRP for Sewerage).

The GRP pipes are offered in sizes from DN 300 to DN 3000. Nominal pressures are from PN6 to PN32 and standard stiffness ratings of SN5000, SN10000 and SN20000 are available.

DN 300 to DN 750 pipes are offered with spigot outside diameters complying with Australian preferred outside diameters and DN 900 to DN 3000 pipes with spigot outside diameters complying with ISO 23856 Series B1.

Listings of Quality Certificates are included in the attached Schedule A.

Product Category	GRP Pipes
PA Number:	PA 2410
Supplier	Future Pipe Industries LLC
Brand	Fiberstrong®
Standards	ISO 23856:2021 <i>Plastics piping systems for pressure and non-pressure water supply, drainage or sewerage – Glass reinforced thermosetting plastics (GRP) systems based on unsaturated polyester (UP).</i>
WSAA Product Specification	WSA PS 219 <i>Glass reinforced thermosetting plastics (GRP) pipes and fittings for pressure and non-pressure applications – Drinking water, non-drinking water supply and sewerage</i>
Issue date	4 July 2024
Expiry date	3 July 2029
Recommendations	It is recommended that WSAA members and associates, subject to any specific requirements of the member, accept or authorise Fiberstrong Filament Wound GRP pipes and fittings, as detailed in this report, for use in pressure and non-pressure water and sewerage applications provided they are installed in accordance with any relevant conditions relating to the design, installation and acceptance testing provided in relevant standards, WSAA Codes and the 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.

From time to time WSAA 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. WSAA's policy is to not refer to such allegations in its Certificate or take any other steps to put Recipients on notice of such allegations. If, however, WSAA becomes aware that the allegations have been admitted or proved in Court, then WSAA may, at its discretion, take such steps as it considers appropriate. As such, Recipients acknowledge, agree and accept that WSAA 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 Certificate and which are not otherwise communicated to Recipients.

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 CERTIFICATIONS

Copies of the following Quality Certificates are available from WSAA.

TABLE A1 FUTURE PIPE INDUSTRIES LLC – MANAGEMENT SYSTEMS

Sector M-41, Mussafah, Abu Dhabi United Arab Emirates	
Quality Systems Standard	ISO 9001:2015
Certification Licence No.	DU005751
Certifying Agency	Bureau Veritas
First Date of Certification	24 April 1996
Current Date of Certification	28 June 2024
Expiry Date of Certification	6 June 2027

TABLE A2 PT FUTURE PIPE INDUSTRIES – MANAGEMENT SYSTEMS

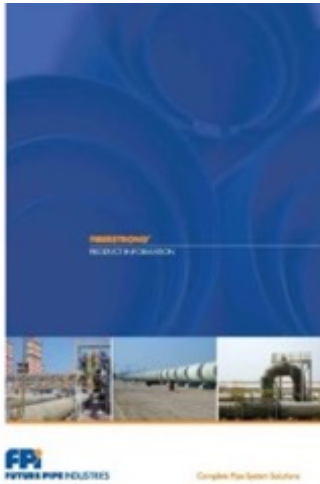
JI Raya Serang KM 30 Kelurahan Gembong Dan Cangkuda Kecamatan Balaraja Tangerang Indonesia	
Quality Systems Standard	ISO 9001:2015
Certification Licence No.	FM 725130
Certifying Agency	BSI
First Date of Certification	24 April 2014
Current Date of Certification	27 February 2023
Expiry Date of Certification	26 February 2026

TABLE A3 FUTURE PIPE INDUSTRIES LLC – PRODUCT CERTIFICATION

Sector M-41, Mussafah, Abu Dhabi United Arab Emirates	
Product Standard/Spec.	ISO 23856:2021
Certificate No.	C689597
Issuing Certification body	DNV
First Date of Certification	8 May 2024
Current Date of Certification	8 May 2024
Expiry Date of Certification	7 May 2029

TABLE A4 PT FUTURE PIPE INDUSTRIES – PRODUCT CERTIFICATION

JI Raya Serang KM 30 Kelurahan Gembong Dan Cangkuda Kecamatan Balaraja Tangerang Indonesia	
Product Standard/Spec.	ISO 23856:2021
Certificate No.	C690266
Issuing Certification body	DNV
First Date of Certification	8 May 2024
Current Date of Certification	8 May 2024
Expiry Date of Certification	7 May 2029



Fiberstrong® Product Information



Fiberstrong® Installation Guide for
Underground Pipe Systems



Fiberstrong® Aboveground Installation Manual



SUPPLIER CONTACTS

Manufacturer - Future Pipe Industries LLC

Abu Dhabi UAE

Website: <https://futurepipe.com/>

Email (sales enquiry): salesinquiries-australia@futurepipe.com

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