



PLASTIC PIPE SYSTEMS.
SMART.
EFFICIENT.
SUSTAINABLE.

PRODUCT CERTIFICATION

PLASTIC PIPES INDUSTRY



PIPA

PLASTICS INDUSTRY
PIPE ASSOCIATION
OF AUSTRALIA LIMITED

Australia's pipeline infrastructure is vital to the way we live today, delivering essential services and utilities to our homes and communities. The integrity of these plastic pipeline infrastructure has benefited enormously from the development of Australian (AS/NZS) and/or international (ISO) product Standards and industry defined Specifications.

These Standards and Specifications define performance criteria for a range of pipe and fittings for use in various applications including water main and sewerage services, stormwater drainage, electrical and telecommunication conduits, and gas. The expectation across all applications is that these pipes will last a very long time, with a service life of typically in excess of 100 years.

The various pipeline asset owners such as state-based water authorities and regulatory bodies i.e., Australian Building Codes Board require that only product that conforms with the relevant Australian

Standard or Industry Specification i.e., CSG Code of Practice, WSAA Product Specifications and PIPA POP Guidelines can be installed.

These Standards and Industry Guidelines help to ensure a high standard of installation and long-term product performance.

Who requires products to be third party certified?

Asset owners and regulatory bodies for many years have mandated that products be third party certified against the relevant Certification Scheme. In the case of plumbing products under the jurisdiction of the Australian Building Codes Board (ABCB) this is the WaterMark Scheme. For infrastructure asset owners such as water authorities this is the ISO Type 5 Product Certification Scheme.

Who are the Australian Buildings Code Board?

The ABCB are a standards writing body responsible for the management and administration of the WaterMark Certification Scheme, National Construction Code, CodeMark Certification Schemes, and regulatory reform in the construction industry.

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What is the WaterMark Scheme?

Plumbing installations are highly regulated. The WaterMark Certification scheme is a mandatory scheme for plumbing and drainage products to ensure they are fit for purpose and appropriately authorised for use in plumbing and drainage installations.



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What is ISO Type 5 Product Certification?

ISO Type 5 covers the broadest range of assessment functions and activities, consequently proving the highest degree of confidence that manufactured products meet the specific requirements. The product certification scheme also needs to meet the criteria of ISO/IEC TRI7026 Conformity Assessment.

Product Conformity Assessment against the relevant Standard and Certification Scheme are carried out by JAZ-ANZ recognised Conformity Assessment Bodies (CABs). Product Certification surveillance audits by CABs are conducted yearly at manufacturing plants with full product re-certification audits and compliance verification every 5 years.

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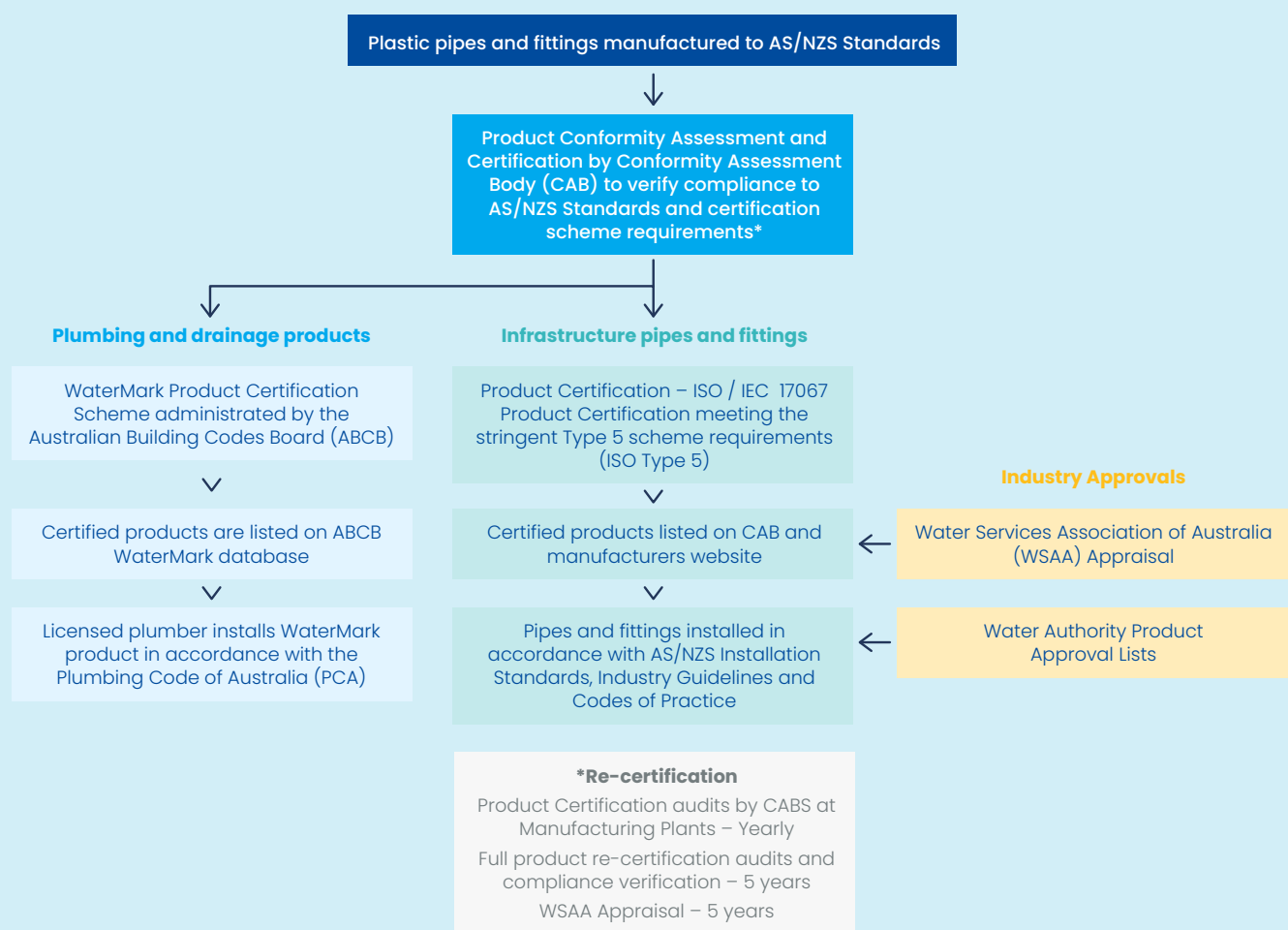
Who is JAS-ANZ and Conformity Assessment Bodies (CABs)?

JAS-ANZ is the Joint Accreditation System of Australia and New Zealand who accredit Conformity Assessment Bodies (CABs) to undertake management system, personnel and product certification and inspection audits.

[Find out more about JAS-ANZ](#)

The verification process for plastic pipes and fittings is outlined in the flowchart below:

The Verification Process



For the past 30 years the Product Certification/ verification process outlined above has been standard practice throughout the Australian plastic pipe and fittings industry and continues to be today. Having products independently certified demonstrates that a products performance undergoes a rigorous on-going technical assessment, therefore providing increased confidence of consistently high product quality.

