



# Compliance to AS/NZS 4766 Polyethylene storage tanks for water and chemicals

Compliance of the manufactured tanks to the Standard is not only a product risk management strategy, but also provides a long term strategy for managing the quality of the products and the health of rotational moulding industry in Australia.



## What does the Standard specify?

AS/NZS 4766 specifies requirements for the design and manufacture of polyethylene storage tanks that are rotationally moulded in one-piece seamless construction. The tanks are for non-buried, vertical installation and capable of containing water, liquids used in food and beverage manufacture and chemical solutions at atmospheric pressure. Methods for demonstrating compliance with this Standard are given in Appendix A of the Standard.

## Certified Polyethylene Tanks

Manufacturers that produce polyethylene tanks to AS/NZS 4766 may choose to have their product and processes independently audited and certified.

The certification process requires that:

- The tanks and materials must be independently tested by a suitably qualified laboratory.
- The manufacturer's quality plan and tanks must be audited annually by the certification body.
- The test reports and the audit reports are verified for compliance to the relevant Standard by SAI Global.

Once SAI Global has verified the compliance, it licenses the manufacturer to affix a certification mark onto the product and the packaging as proof of compliance and independent verification. Only SAI Global certification offers the Five Ticks StandardsMark for the certified, compliant product.

Notwithstanding certification, the manufacturer and the distributors of the product remain responsible for the product's ongoing compliance with the Standard.



## Steps to StandardsMark Certification

The StandardsMark Scheme verification process is a System 5 certification which demonstrates that the





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manufacturer has the capability to consistently manufacture a product to meet the relevant Australian or International product Standard. It involves a combination of type testing of sample products and a rigorous ongoing audit assessment of the manufacturing site. This scheme involves a factory assessment of the manufacturer. The StandardsMark licence is an on-going licence and covers as many models of the product providing that they fall under the scope of the same product Standard. The licence allows the certified compliant products to display the Five Ticks StandardsMark logo.

## Compliance requirements

The compliance requirements are two fold:

- a) Type testing of materials and tanks to AS/NZS 4766 requirements
- b) Ongoing audits of the quality plan and tanks at manufacturing site to comply with Product Compliance Program and AS/NZS 4766.

The quality processes of the manufacturing site need to meet the StandardsMark Product Compliance Program requirements.

A step-by-step Guide to Applicants is available on our website as follows:

[http://www.saiglobal.com/Assurance/ProductCertification/DownloadingDocuments/GuidetoApplicants\\_ProdCert\\_Sy stem5.pdf](http://www.saiglobal.com/Assurance/ProductCertification/DownloadingDocuments/GuidetoApplicants_ProdCert_Sy stem5.pdf)

## Raw Material Compliance

SAI Global offers Type Test Certification for products that are not covered by the StandardsMark Scheme but will benefit from independent verification, either as part of a supply chain to certified end products or by customer demand.

There are requirements, for instance, for raw materials to show compliance under AS/NZS 4766 and Type Test Certification is an ideal way for the supplier to show that

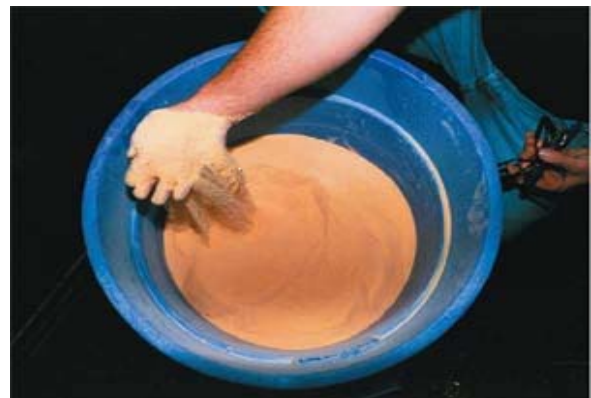
their material complies. There are also requirements for any products/materials that come into contact with drinking water to show compliance to the potable water requirements under AS/NZS 4020 Standard and plastics materials for food contact use under AS 2070 Standard.

SAI Global Type Test Certification provides independent verification of this compliance.

The Type Test verification process is a system 1 certification:

- Independent test reports of the sample product/material
- From accredited and/or recognised laboratories
- Are assessed for compliance to the specific Standard and its applicable sections.

Once compliance has been established a Type Test Certificate is issued for 3 years. The certification details will be available for viewing by the public and the key stakeholders at the SAI Global Product Database. Renewal of the 3 year Certification can be activated via a new application process.



To find out how to obtain certification of your tanks please email [product@saiglobal.com](mailto:product@saiglobal.com)

