AS/NZS 4766:2020
(Incorporating Amendment No. 1)

Australian/New Zealand Standard™

Rotationally moulded buried, partially buried and non-buried storage tanks for water and chemicals

AS/NZS 4766:2020

This Joint Australian/New Zealand Standard™ was prepared by Joint Technical Committee PL-046, Rotationally Moulded Storage Tanks. It was approved on behalf of the Council of Standards Australia on 1 June 2020 and by the New Zealand Standards Approval Board on 3 June 2020.

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The following are represented on Committee PL-046:

Association of Rotational Moulders Australasia
Australian Building Codes Board
Australian Wastewater Treatment Association
Composites Australia
Environmental Health Professionals Australia
Master Plumbers Australia and New Zealand
Plastics Industry Pipe Association of Australia
Plastics New Zealand
Rainwater Harvesting Association of Australia
WorkSafe New Zealand

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Reissued incorporating Amendment No 1 (April 2024).

Preface

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee PL-046, Rotationally Moulded Storage Tanks, to supersede AS/NZS 4766:2006, *Polyethylene storage tanks for water and chemicals*.

〖A1〉*This Standard incorporates Amendment No. 1 (April 2024). The start and end of changes introduced by the Amendment are indicated in the text by tags including the Amendment number 1.*〈A1〗

〖A1〉The objective of this Standard is to specify requirements for the design and manufacture of storage tanks that are rotationally moulded either in one piece or multiple pieces (subsequently joined together with structural connections). The storage tank can be constructed using either single or multi-layer construction. This includes the following:〈A1〗

(a) Where the tank is non-buried, ensure secure storage of contents.

(b) Where the tank is partially buried or buried, ensure secure storage of contents and prevent inflow or infiltration of surface water and soil water.

(c) Ensure performance and workmanship of the finished tank is adequate for the intended application.

(d) Ensure tank fittings are suitable for the intended application.

(e) Specify design criteria and material selection to ensure the above.

The major changes in this edition are as follows:

(i) Inclusion of buried and partially buried tanks.

(ii) Changes to design criteria of all tanks.

(iii) Ability to manufacture with multiple layers of material.

The terms “normative” and “informative” are used in Standards to define the application of the appendices to which they apply. A “normative” appendix is an integral part of a Standard, whereas an “informative” appendix is only for information and guidance.

〖A1〉**[Text Deleted]**〈A1〗

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