

AS 1839:2021



Swimming pools — Premoulded fibre-reinforced plastics — Installation



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The following are represented on Committee PL-041:

- Australian Fibreglass Manufacturers Group
- Australian Institute of Building Surveyors
- Composites Australia
- Engineers Australia
- Swimming Pool and Spa Association of Australia
- University of Southern Queensland

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Preface

This Standard was prepared by Standards Australia Committee PL-041, Glass Reinforced Swimming Pools, to supersede AS/NZS 1839:1994.

After consultation with stakeholders in both countries, Standards Australia and Standards New Zealand decided to develop this document as an Australian Standard rather than an Australian/New Zealand Standard.

The objective of this document is to set out procedures for the installation of premoulded fibre-reinforced plastics (FRP) swimming pools conforming to AS 1838.

The major changes in this edition are as follows:

- (a) Amendments and additions to [Section 1](#).
- (b) References to hydrodynamic pressure, see [Sections 3](#) and [6](#).
- (c) Provision for the installation of pools in reactive clay soils, see [Section 8](#).
- (d) Addition of new installation of pools in reactive clay soils information, including tolerances, see [Appendix A](#).
- (e) Inclusion of new [Figures 6.6, 8.3\(A\)](#) and [8.3\(B\)](#).
- (f) References to installation tolerance and seasonal movement, and information on how both can independently affect a pool installation.

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