

AS/NZS 1839:1994

Australian/New Zealand Standard

**Swimming pools—Premoulded
fibre-reinforced plastics—
Installation**

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This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee PL/41, Glass Reinforced Swimming Pools. It was approved on behalf of the Council of Standards Australia on 16 August 1994 and on behalf of the Council of Standards New Zealand on 8 September 1994. It was published on 14 November 1994.

The following interests are represented on Committee PL/41:

Australian Fibreglass Pool Manufacturers
Australian Institute of Building Surveyors, N.S.W
Building Services Corporation
Composites Institute of Australia, N.S.W
Department of Consumer Affairs, N.S.W
Swimming Pool and Spa Association of Australia

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Swimming pools—Premoulded fibre-reinforced plastics— Installation

First published in Australia as AS 1839—1975.
Second edition 1989.
Jointly revised and designated as Joint Standard
AS/NZS 1839:1994.

PUBLISHED JOINTLY BY:

STANDARDS AUSTRALIA
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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee PL/41 on Glass Reinforced Swimming Pools to supersede AS 1839—1989.

This Standard differs from the previous edition in that the pool drainage requirements have been set out in detail in order to avoid damage due to groundwater pressure. Requirements for the pool water level in relation to ground level and diagrams showing minimum provisions for surface and subsoil drainage on level and sloping sites are included.

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STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

Australian/New Zealand Standard**Swimming pools—Premoulded fibre-reinforced plastics—Installation**

1 SCOPE This Standard sets out procedures for the installation of premoulded fibre-reinforced plastics (FRP) swimming pools complying with the requirements of AS/NZS 1838.

2 REFERENCED DOCUMENTS The following documents are referred to in this Standard:

AS

- 1926 Swimming pool safety
- 1926.1 Part 1: Fencing for swimming pools
- 1926.2(Int) Part 2: Location of fencing for private swimming pools
- 1926.3 Part 3: Water recirculation and filtration systems
- 2818 Guide to swimming pool safety
- 3000 Electrical installations—Buildings, structures and premises (known as the SAA Wiring Rules)

AS/NZS

- 1838 Swimming pools—Premoulded fibre-reinforced plastics—Design and fabrication

NZS

- 5826 Code of Practice for Operation of Swimming Pools
- 5826.1 Part 1: Control of Pool Water Quality

New Zealand Electricity Regulations 1993

For the purposes of this Standard where both an Australian Standard and a New Zealand Standard are referenced, the appropriate referenced Australian Standard shall be used where Australian conditions apply and the appropriate referenced New Zealand Standard shall be used where New Zealand conditions apply.

3 STORAGE, HANDLING AND TRANSPORT OF POOLS All pools shall be handled, stored and transported in a manner which shall neither overstress the laminate nor cause permanent distortion to the shell of the pool.

The following precautions shall be observed:

- (a) Pools shall be transported in a manner that avoids damage.
- (b) Pools shall be stored in an appropriate manner so that no permanent deflection or damage occurs. If hydrostatic relief valves are included, they shall be protected from damage.
- (c) Pools shall be stored in a manner that will ensure adequate drainage.
- (d) No hard, sharp objects shall be in contact with the pool shell.
- (e) Pools shall be secured to prevent movement due to strong winds.

When loaded for transport, pools may be stacked inside each other; however, they shall rest on shock-resisting blocks on the base of the pool below.