

AS 4687.4:2022



STANDARDS
Australia



Temporary fencing and hoardings

Part 4: Temporary swimming pool fencing



AS 4687.4:2022

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- Australian Institute of Health and Safety
- Australian Security Industry Association
- Bureau of Steel Manufacturers of Australia
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- Hire and Rental Industry Association of Australia
- National Association of Testing Authorities Australia
- Swimming Pool and Spa Association of Australia
- Temporary Fencing Association of Australia

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Preface

This Standard was prepared by the Standards Australia Committee CE-008, Chainlink Fabric Security Fences and Gates, to supersede AS 4687—2007, *Temporary fencing and hoardings*.

The objective of this document is to set out requirements for the construction and installation of temporary pool fencing in order to provide protection to the public and to restrict unauthorized access to swimming pool construction, repair, or renovation sites.

The major changes in this edition are as follows:

- (a) Additional guidance has been provided for determination of wind actions.
- (b) The test methods set out in AS4687—2007 have been elaborated upon for temporary fences
- (c) Where the previous edition was a performance testing standard, this revision provides alternative ways to achieve conformance, adding a design analysis approach.
- (d) Inclusion of new material regarding temporary pool fencing.
- (e) Division of the previous edition of the document into a series of four parts, comprising the following:
 - (i) AS 4687.1: *Temporary fencing and hoardings, Part 1: General requirements*.
 - (ii) AS 4687.2: *Temporary fencing and hoardings, Part 2: Temporary fencing and temporary pedestrian barriers*.
 - (iii) AS 4687.3: *Temporary fencing and hoardings, Part 3: Temporary hoardings*.
 - (iv) AS 4687.4: *Temporary fencing and hoardings, Part 4: Temporary swimming pool fencing*.

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

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Australian Standard®

Temporary fencing and hoardings

Part 4: Temporary swimming pool fencing

1 Scope and general

1.1 Scope

This document sets out requirements for the construction and installation of temporary pool fencing in order to provide protection to the public and to restrict unauthorized access to swimming pool construction, repair, or renovation sites.

NOTE Other safety control methods may be used on swimming pool construction, repair, or renovation sites, but these are outside the scope of this document.

1.2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document.

NOTE Documents for informative purposes are listed in the Bibliography.

AS 4687.1, *Temporary fences and hoardings, Part 1: General requirements*

1.3 Terms and definitions

For the purposes of this document, the terms and definitions given in AS 4687.1, AS 4687.2, AS 4687.3 and the following apply.

1.3.1

ground level

GL

surface on which the temporary pool fence sits

1.3.2

temporary self-closing gate

assembly comprising a gate, a hinge post, a latch post, a latching device, hinges and a self-closing device

2 General requirements

A temporary pool fence shall be erected in order to maintain a safe environment in the following situations:

- (a) Where a swimming pool or spa is under construction, renovation or installation.
- (b) Where the permanent pool fence or any part thereof is damaged, removed, or undergoing construction, renovation or installation.

The design and installation of a temporary pool fence shall deter and restrict unauthorized access to the pool or spa.

Where a temporary pool fence is used it shall be an interim measure until such time as a permanent pool fence is installed.

3 Materials, products and components

Materials, products and components used for a temporary pool fence (including gates) shall conform to the requirements of [Section 8](#).

Materials, products and components shall be capable of fulfilling the needs of the design, installation and intended use of a temporary pool fence in accordance with this document.

4 Temporary pool fence dimensions

A temporary pool fence shall have a minimum height of 1200 mm when measured from the outside.

Vertical members including posts and infill balusters shall not be spaced more than 100 mm apart. If two or more horizontal members are present, two of those horizontal members shall be spaced 900 mm or more apart, with no other horizontal member between them (see [Figure 1](#)). The height between the bottom of the temporary pool fence and the ground level shall not exceed 100 mm. The surface beneath the barrier should not be easily removed or eroded.

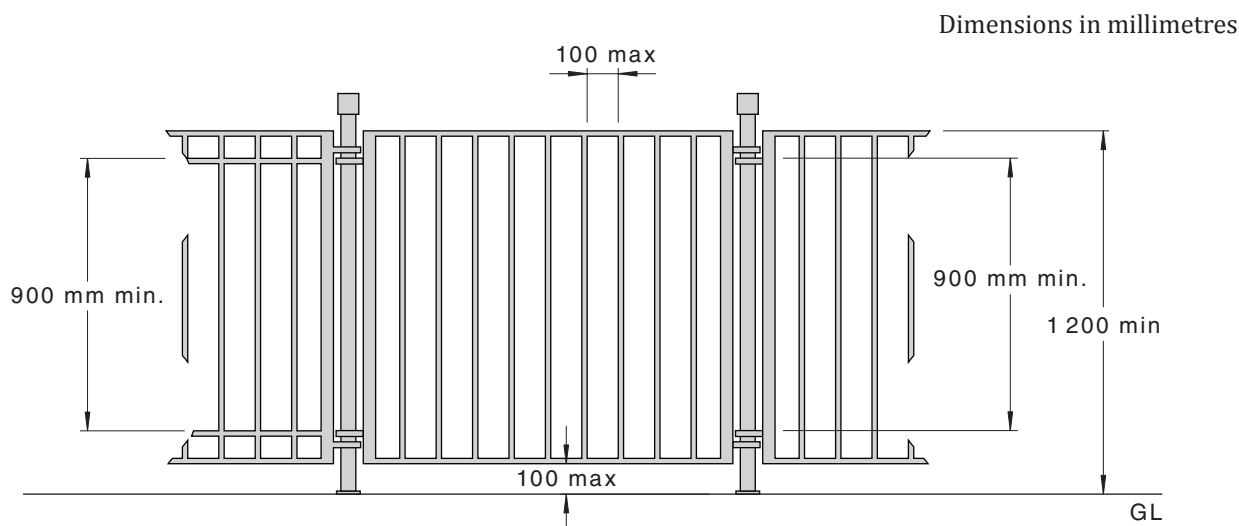


Figure 1 — Temporary pool fencing dimensions

A temporary pool fence using perforated materials instead of balusters such as perforated infill panels, mesh products and chain link products shall conform to the following height requirements when measured from the outside:

- (a) Where apertures are no greater than 13 mm measured in all directions, the height shall be not less than 1200 mm.
- (b) Where apertures are greater than 13 mm, but not greater than 100 mm between vertical members, the height shall not be less than 1800 mm.
- (c) A temporary pool fence with apertures between vertical members greater than 100 mm shall not be used.

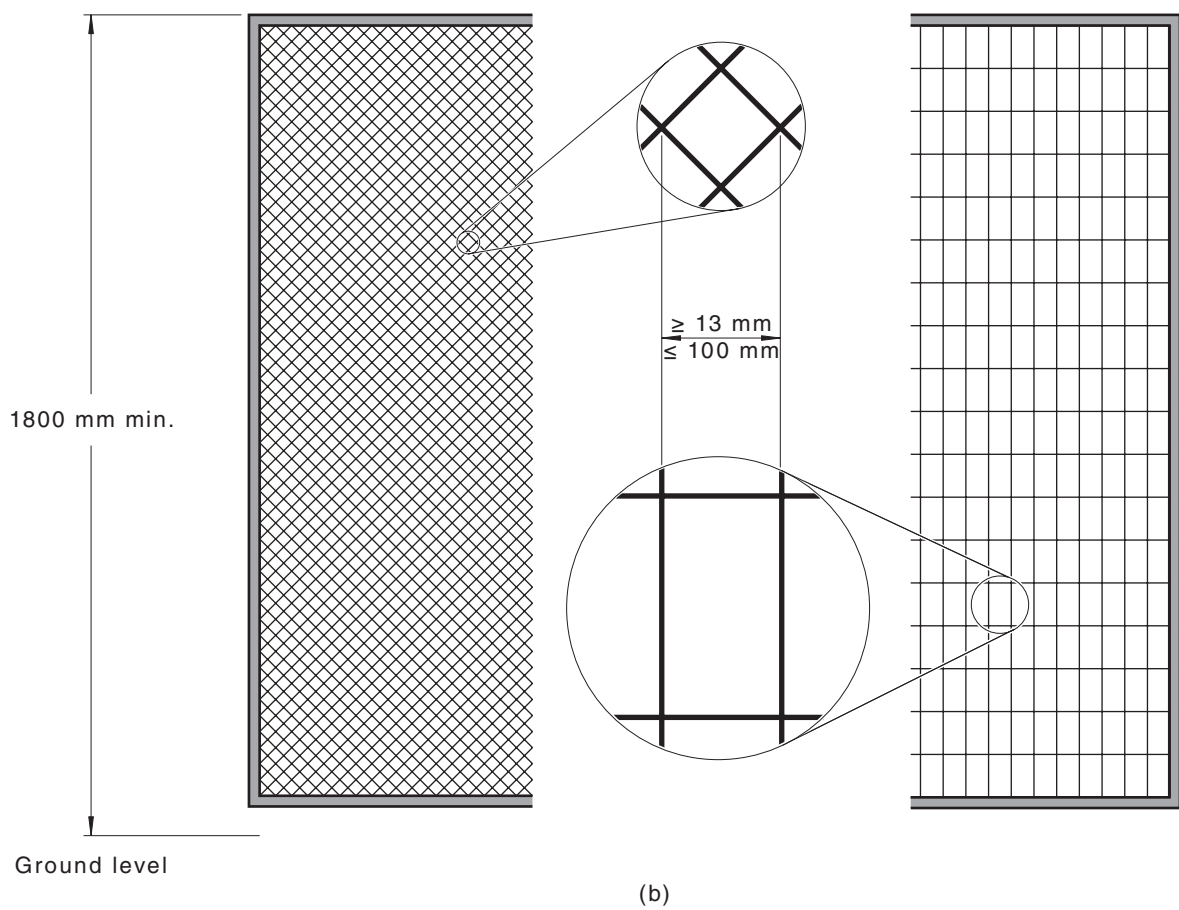
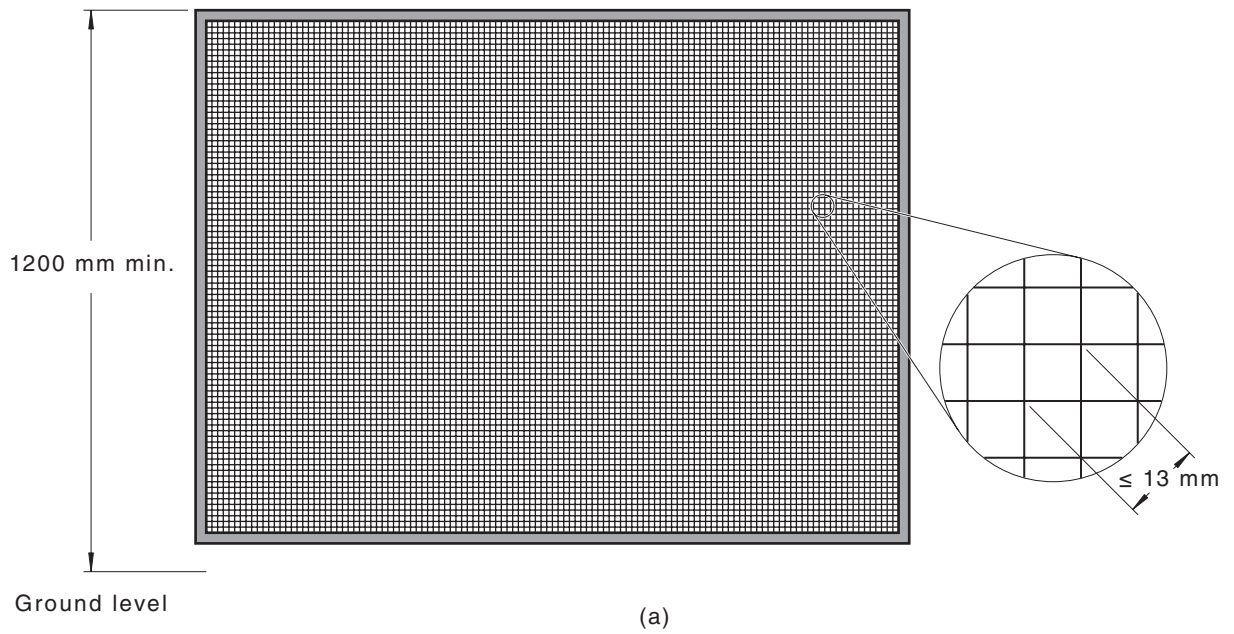


Figure 2 — Aperture measurements

5 Gates

5.1 General

Access to work sites will depend upon the nature of each site. This access may be achieved by various means described in [Section 5](#).

Any gate or panel used as a gate to grant access to a site shall be capable of being secured.

5.2 Temporary self-closing gate

5.2.1 General

Where a temporary self-closing gate is used, it shall be supplied and installed as a complete unit. The gate shall include a swinging gate panel hinged to a rigid frame structure. The rigid frame structure shall consist of vertical hinge and latch posts adjoined to the permanent horizontal tie member/s. When the gate is in the secured position, there shall be no gap greater than 100 mm between the swinging gate panel and the rigid frame.

An example of a temporary self-closing gate can be seen in [Figure 3](#).

Temporary self-closing gates should open outwards where possible. Temporary self-closing gates shall be fitted with a self-closing and latching device that will latch the gate without manual force. Latches shall prevent the gate from re-opening, unless manually released.

A temporary self closing gate with apertures between vertical members greater than 100 mm shall not be used.

NOTE Latches conforming to AS 1926.1 meet the requirements of [Clause 5.2](#).

5.2.2 Location of latch for temporary self-closing gate

Gate latch releases should be located at least 1500 mm above the ground level.

Where the release point of the latch on a gate is located at a height less than 1500 mm above the ground level, the location of the latch shall —

- (a) not be positioned on the outside face of the gate; and
- (b) require the user to reach over or through the gate at a height not less than 1200mm above the ground level or not less than 1000mm above the highest lower horizontal member.

Where the latch release is located at a height less than 1500 mm above the ground level, the latch release shall be shielded so that no opening greater than 10 mm occurs within an area bounded by an effective radius of 450 mm below the latch release.

All temporary pool fence access points shall be secured when the site is unattended.

Gates shall meet the requirements set out in [Appendix D](#).