

## Audit Checklist for Pools installed after 1 January 2017

This checklist is to assist people to determine if their swimming pool fence is compliant and if a pool fence is needed. This applies to all pools capable of holding 400mm depth of water. It is important you go through the checklist to ensure your swimming pool barrier is complying. NOTE: This is a checklist for your convenience, but does not cover every situation. |

Please visit [F9 AS1](#) for more detailed information

✓ This pool was installed after 1 January 2017

<input type="checkbox"/>	Is a suitable barrier in place	<i>Residential pools must have or be provided with physical barriers that restrict access to the pool or the immediate pool area by unsupervised young children (ie, under 5 years of age).</i>
	<b>Fence</b>	
<input type="checkbox"/>	Fence Height 1200mm	<i>- Pool barriers not on a property boundary shall have a height of not less than 1200 mm from the finished floor or ground level outside the pool barrier. (F9 AS1 2.1.2)</i>
<input type="checkbox"/>	Outside fence – horizontal rails 900mm apart	<i>- Any rails, rods or wires forming a part of a pool barrier that are not themselves vertical shall be at least 900 mm apart vertically to restrict climbing. (F9 AS1 2.1.3)</i>
<input type="checkbox"/>	No openings greater than 100mm	<i>- There shall be no openings in the pool barrier that a 100 mm diameter sphere could pass through. (F9 AS1 2.1.3)</i>
<input type="checkbox"/>	Wire mesh openings 13mm – 35mm fence height 1800mm	<i>- Steel wire mesh with square openings may be used as an alternative to a solid panel provided the openings do not have a side dimension greater than 13 mm. Panels with steel wire mesh having openings measuring between 13 mm and 35 mm on a side shall be not less than 1800 mm high but may have a gap at the base of not more than 100 mm. (F9 AS1 2.1.5)</i>
<input type="checkbox"/>	Pool barrier with horizontal slats at a maximum of 10mm apart, fence height to be minimum of 1800mm	<i>- A pool barrier which has horizontal slats which are spaced a maximum of 10mm apart must be 1800mm in height (NZS8500:2006)</i>
<input type="checkbox"/>	Fence clear of any ground features or objects	<i>- There shall be no ground features or objects outside a pool barrier within 1200 mm of the top of the barrier that would assist a child in climbing. (F9 AS1 2.1.6)</i>
<input type="checkbox"/>	No projections or indentations greater than 10mm unless spaced more than 900mm apart	<i>- Any projections or indentations on the outside face of a pool barrier shall not have a horizontal projection from the face of the pool barrier greater than 10 mm unless they are at least 900 mm apart vertically. (F9 AS1 2.1.7)</i>
<input type="checkbox"/>	No horizontal surfaces greater than 10mm within 300mm on the inside of the pool barrier unless spaced more than 900mm apart This includes horizontal rails if the pailings are spaced more than 10mm apart	<i>- Where any nearby horizontal surface that could be used as holds for climbing are located near the inside of the fencing and where the spacing between vertical members is greater than 10mm, such surfaces shall be separated from the fencing by a distance of not less than 300mm. (NZS8500:2006 3.3.6)</i>
<input type="checkbox"/>	Internal fence adjoins boundary fence, 900 mm high zone on the pool side of the barrier that begins not more than 150 mm down	<i>- The pool barrier on the boundary fence must have a 900 mm high zone on the pool side of the barrier that begins not more than 150 mm from the top to restrict climbing by children (F9 AS1 2.2.1d) For the internal fence, this needs to come out for a distance of 1200mm from the boundary fence.</i>

<input type="checkbox"/>	Balcony floor within 2400mm of the pool barrier has a pool compliant barrier	- Where a balcony extends into the immediate swimming and it less than 2400mm vertically above the swimming pool area; the barrier on the balcony needs to be meet the requirements of Clause F9 of the New Zealand Building Code.
	<b>Boundary Fence</b>	
<input type="checkbox"/>	Be not less than 1800 mm high, on the <i>pool</i> side	- The pool barrier on a property boundary is to be not less than 1800 mm high, measured from the ground level on the pool side (F9 AS1 2.2.1a) *Note the construction of seating / planter boxes etc would be deemed as non-compliant if there is less than 1800mm from the top of the fence to the top of any structure
<input type="checkbox"/>	No openings greater than 100 mm	- The pool barrier on the boundary fence is to have no openings that a 100 mm diameter sphere could pass through (F9 AS1 2.2.1b)
<input type="checkbox"/>	Be located not less than 1000 mm from the water's edge	- The pool barrier on the boundary fence is to be located not less than 1000 mm from the water's edge (F9 AS1 2.2.1c)
<input type="checkbox"/>	900mm high zone on the <i>pool</i> side of the barrier that begins not more than 150 mm down	- The pool barrier on the boundary fence must have a 900 mm high zone on the pool side of the barrier that begins not more than 150 mm from the top to restrict climbing by children (F9 AS1 2.2.1d)
<input type="checkbox"/>	Horizontals 900mm apart on the outside of the pool barrier	- Any projections or indentions on the outside face of a pool barrier shall not have a horizontal projection from the face of the pool barrier greater than 10 mm unless they are at least 900 mm apart vertically. (F9 AS1 2.1.7)
	<b>Gate</b>	
<input type="checkbox"/>	Gate opens outwards	- Gates in pool barriers shall open away from the pool (F9 AS1 3.1.1 D)
<input type="checkbox"/>	No means provided to hold gate open	- Gates in pool barriers shall swing clear of any obstruction that might hold it open (F9 AS1 3.1.1 E)
<input type="checkbox"/>	Secure on hinges	- Gates in pool barriers are to be be hinged as per F9 AS1 3.0 A Gates need to have hinges arranged such that when the gate is lifted up or pulled down: the latching device will not release, and the gate will not come off its hinges, and the ground clearance under the gate will not allow the passage of a 100 mm diameter sphere. (F9 AS1 3.1.1 G)
<input type="checkbox"/>	Gate is at least 1200mm high	- Gates in pool barriers shall be at least 1200 mm high. (F9 AS1 3.1.1 B)
<input type="checkbox"/>	The gate latch is positioned in a way that it cannot be reach by a child from outside the pool area	- Gates in pool barriers shall automatically operate on the closing of the gate such that a manual operation is required to release it, and b) Be positioned so that it cannot be reached by a child from outside the pool area. Figure 3 gives acceptable means of preventing a child reaching the latch, and c) Not be capable of being released from outside the pool area by the insertion of a thin implement through any gaps. (F9 AS1 3.1.2)
<input type="checkbox"/>	If latching device is outside, height to be 1.5m	- The latching device shall be at least 1500mm above the ground on the outside of the fence (F9 AS1 Figure 3D)

<input type="checkbox"/>	Gate must return automatically to closed position	- Gates in pool barriers shall have a self-closing device that will return the gate to the closed and latched position from any position with a stationary start( F9 AS1 3.1.1 F)
<input type="checkbox"/>	Are any gates Permanently padlocked?	It is the owner of the properties responsibility to ensure that the gate remains closed and locked at all times or alternatively self closes and latches when released from any position
<input type="checkbox"/>	Are there any Double gates?	Double gates shall both independently self-close and self-latch or one leaf of the gate shall be permanently fixed in a closed position with the second leaf complying with being able to self-close and self-latch when released from 150mm. (NZS8500:2006 3.4.4.3)
	<b>Building forms all or part of an immediate pool area</b>	Doors between the building and intermediate pool area must not readily be able to be opened by children
<input type="checkbox"/>	Windows opening from a building to the pool area must be constructed or positioned to restrict the passage of children	- Where there is an window that can open above and within 2400 mm vertically of the immediate pool area the window shall have either: a) The lower edge of the opening no less than 1000 mm above the floor inside the building with no projections underneath of more than 10 mm, or b) A restrictor limiting the size of the opening such that a 100 mm diameter sphere cannot pass through, or c) A permanently fixed screen over the opening that a 100 mm diameter sphere cannot pass through. (F9 AS1 4.1.1)
<input type="checkbox"/>	Admit audible warning when the door is open (deactivation switch fitted at not less than 1500mm) or close automatically after use  - Compliance for a swimming pool barrier can be gained by installing a self-latching device and alarm system to the doors opening into the pool area, these alarms must be performing at all times. Disarming the alarm is a serious breach of the Building Act. It is also a breach of the Act to hold the door open for any length of time.	- Doors in a building wall providing access into the immediate pool area shall have: Either a self-closing device or an audible alarm (F9 AS1 4.2.2)  <b>A door alarm shall:</b> a) Produce an alarm tone of 75dBAL10 when measured at a distance of 3000 mm that commences 7 seconds after the door's self-latching device is released, and b) Automatically return to a state of readiness when the door is closed and latched, and c) Have a low battery charge warning that may be visual or audible.  Door alarms may be provided with a deactivation switch placed not less than 1500 mm above floor level that silences the alarm for not more than 15 seconds. (F9 AS1 4.2.4)  <b>A self closer shall:</b> - For hinged doors that open towards the pool, a self-closing device shall return the door to the closed and latched position from any position when the door is stationary. For all other doors, a self-closing device shall return the door to the closed and latched position when the door is stationary and 150 mm or further from the closed and latched position.(F9 AS1 4.2.3)
<input type="checkbox"/>	Door is single leaf, opening no more than 1000mm	- Doors in a building wall that provide access into the immediate pool area shall be single leaf doors that are not more than 1000 mm in width. These doors shall be side hinged or sliding (F9 AS1 4.2.1)
<input type="checkbox"/>	Self – Latch at 1500mm	- Doors in the building wall that provide access to the immediate pool area shall have a self-latching device that automatically operates on the closing of the door and that must be released manually, the release for the latching device located not less than 1500 mm above the inside floor, and (F9 AS1 4.2.2 b/c)
<input type="checkbox"/>	No door hooks for holding door open	- Where a building forms all or part of an immediate pool area barrier doors between the building and the immediate pool area must not be able to be readily opened by children, (F9 AS1 3.4)

## Audit Checklist for Above Ground Pool installed after 1 January 2017

✓	This pool was installed <u>after</u> 1 January 2017	
	<b>Pool Wall As Barrier</b>	<i>Note this also applies to Heated Pools with a water surface of 5m<sup>2</sup> or more</i>
<input type="checkbox"/>	Is the Pool Wall Used As a Barrier	- Residential pools must have or be provided with physical barriers that restrict access to the pool or the immediate pool area by unsupervised young children (ie, under 5 years of age).
<input type="checkbox"/>	Ladder Fenced	- The outside face of a pool wall is an acceptable barrier if it is no less than 1200 mm high and complies with F9 AS1 2.1.6 and 2.1.7. <b>Any ladder or other means of providing access to the pool shall have an enclosing barrier and gate (F9 AS1 2.3.1)</b>
<input type="checkbox"/>	Fence clear of any ground features or objects	- There shall be no ground features or objects outside a pool barrier within 1200 mm of the top of the barrier that would assist a child in climbing. (F9 AS1 2.1.6)
<input type="checkbox"/>	Horizontals 900mm apart on the outside of the pool barrier	- Any projections or indentions on the outside face of a pool barrier shall not have a horizontal projection from the face of the pool barrier greater than 10 mm unless they are at least 900 mm apart vertically. (F9 AS1 2.1.7)

	<b>Water</b>	
<input type="checkbox"/>	Backflow Prevention fitted on tap nearest to pool (even if ballcock system is used)	- The Building Code and the Local Government Act have the requirement that any water supply is protected from the likelihood of cross-contamination between potable (drinkable) and non-potable supplies. The minimum requirement being an atmospheric vacuum breaker fitted to the hose tap used to top up the pool. Even if there is an automatic leveller a backflow is required to be fitted to the tap. <i>Pool / Spa Water is assessed as a medium level hazard as per G12/AS1 3.3.2</i>