

# Product Technical Statement



<b>Company;</b>	Protector Aluminium	
<b>Product Name;</b>	UltiM8 Pool Fencing with G8 Safe/ SafeTech Hardware	
<b>Type and/ or use of product;</b>	Certified for use as a Swimming Pool Barriers	
<b>Description of product;</b>	Aluminium Pool Fencing, Gates and Gate Hardware	
<b>Performance Requirements;</b>	AS1926.1-2007/2012	Section 3 Loading Requirements
<b>BCA (2019);</b>	Volume One (Amdt. 1) - N/A	Volume Two – 3.10.1(a), (b)

Limitations and Conditions		
<b>1</b>	With regards to strength and/or rigidity of Safety Barriers for Swimming Pools, this Supplier Statement limits compliance with AS1926.1 to the following extent;	
	<b>AS1926.1 – 2012:</b>	Compliance with the test for Strength and Rigidity of Barrier Openings and the Strength Test for Rigid Barrier Components Only.
	<b>AS1926.1 – 2007:</b>	Compliance with the test for Strength and Rigidity of Barrier Openings and the Strength Test for Rigid Barrier Components Only.
	<b>AS1926.1 – 1993:</b>	Compliance with the test for Strength and Rigidity of Barrier Openings and the Strength Test for Rigid Barrier Components Only.
	<b>AS1170.1 – 2002</b>	Safety Barriers for Swimming Pools do not fulfil the performance requirements for balustrade purposes and are not suitable to be used where the fall exceeds one meter.
<b>2</b>	Where used as a Safety Barrier of Fencing for Swimming Pools; compliance of the barrier with Section 3.2 (Strength of Posts and Footings) of AS1926.1- 2007 and AS1926.1-1993 and Section 3.5 of AS1926.1-2012 (Strength and Rigidity of a Gate Unit) is to be confirmed to the satisfaction of the Appropriate Authority. <i>Note: UltiM8 Pool Barriers are not designed to withstand the strength, rigidity and loading requirements for balustrade use</i>	
<b>3</b>	When incorporating a G8 Safe (Branded) Top Pull Latch Models; Tri Latch, Pool Safe Latch, Simple Safe Latch this meets and exceeds all requirements Durability, Strength and Rigidity, Closing and Latching and Security of Closure requirements for Gate Units of Australian Standard AS 1926.1- 2007/ 2012.	
<b>4</b>	For the purposes of this Supplier Statement, the term Appropriate Authority has the meaning defined in the National Construction Code.	
<b>5</b>	For Swimming Pool Barriers, the Product Technical Statement only applies to the Product Statement holders Ulti-M8 swimming pool panels as appropriately stamped by the Product Statement holder.	
<b>6</b>	Information contained herein or related hereto is intended only for evaluation by technically skilled persons, with any use thereof to be at their independent discretion and risk. Nothing in this document should be construed as a warranty or guarantee by PCME Certifications, and the only applicable warranties will be those provided by the Product Technical Statement Holder.	

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<b>7</b>	This Product Technical Statement is issued based on the evidence of compliance as detailed herein. Any deviation from the specifications contained in this Product Technical Statement is outside of this documents scope and the installation of the certified product/ system will not be covered by this PCME Supplier Statement. This may result in product being classified as a non-conforming building product/ system.
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Product Technical Data	
<b>Building Classification/s;</b>	1a & 10
<b>Type and intended use of a product;</b>	As per Page 1 (Protector Aluminium Supplier Technical Statement)
<b>Description of product;</b>	Aluminium pool fencing and Gate Hardware
<b>Product specification;</b>	Fence Panel (Up to) 3000mm x 1200mm Custom Manufactured Pool Fence Panel (Up to) 3000mm x 1200mm (2700mm – 3000mm wide panels must have a Centre Foot) (1201mm – 1800mm high panels must have a centre rail located at 1200mm height) Gates 975mm x 1200mm Custom manufactured gates (up to 1200mm wide x 1800mm high must have a centre rail located at 1200mm height). <i>Note: Pool fence panels are not suitable for use where falls exceed one meter</i>

UltiM8 Pool Fencing Flat Top Spacing's (Panels and Gates), Post's and Panel Brackets;
Flat Top Spacings for Panels and Gates; <ul style="list-style-type: none"> <li>- Powder Coated Aluminium- Aluminium grade/ temper – 6063/T6</li> <li>- 6-point welds</li> <li>- 27 pickets (per 2450mm width panel)</li> <li>- 88.1mm centres</li> <li>- 72.1mm picket spaces</li> <li>- Pickets – 16mm (internally ribbed tube)</li> <li>- Rails – 38mm x 25mm (internally ribbed tube)</li> </ul>

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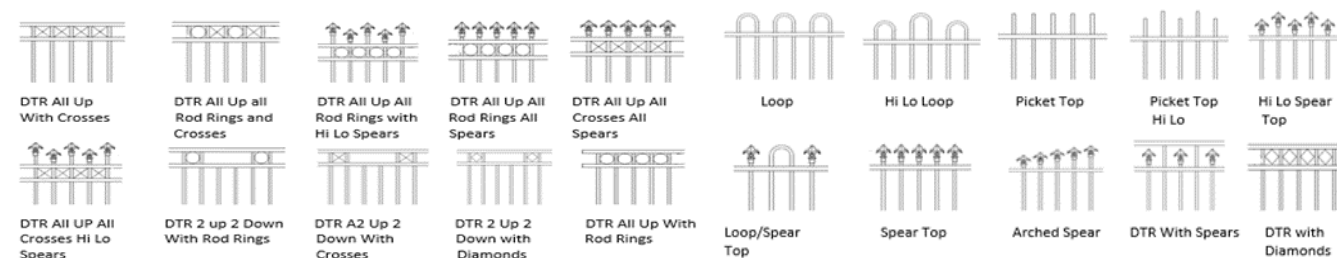
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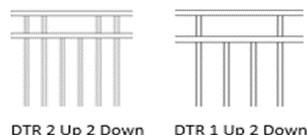
## UltiM8 Pool Panel Loop Top Spacings;

- Powder Coated Aluminium- Aluminium grade/ temper – 6063/T6
- 6-point welds
- 24 pickets (per 2450mm width panel)
- 98.6mm centres
- 82.6mm picket spaces
- Pickets – 16mm (internally ribbed tube)
- Rails – 38mm x 25mm (internally ribbed tube)



## Ulti-M8 Pool Panel DTR Spacing's;

- Powder Coated Aluminium- Aluminium grade/ temper – 6063/T6
- 6-point welds
- 24 pickets (per 2450mm width panel)
- 91.3mm centres
- 75.3mm picket spaces
- Pickets – 16mm (internally ribbed tube)
- Rails – 38mm x 25mm (internally ribbed tube)



## Accessories for Pool Fencing;

### Posts;

- 50x50x1800mm
- 50x50x1300mm (Flanged)
- 50x50x2100mm (Gate Latch Post)
- 50x50x1600mm (Gate Latch Post Flanged)

### Panel Brackets;

38x25mm



In-Ground Post  
1800mm, 2400mm



Flanged Posts  
1300mm, 1600mm



Panel Brackets

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## G8 Safe Gate Latches



G8 Safe Pool Safe Latch  
SafeTech- SL-50K



G8 Safe Simple Safe Latch  
SafeTech- SL-50H



G8 Safe Tri Latch  
SafeTech- SL-50-Tri



G8 Safe Mega Value Kit  
Consisting of;  
SL50H- Gate Latch  
SHG-90- Pool Compliant  
Hinges

## G8 Safe Pool Compliant Hinges



G8 Safe Fixed Tension  
Pool Gate Hinges

SafeTech- SHF-90L



G8 Safe Fixed Tension  
Pool Gate Hinges with  
Legs

SafeTech- SHF-90L1



Safeklik Pool Gate  
Hinges

SafeTech- SHG-90



Safeklik Pool Gate  
Hinges with Legs

SafeTech- SHG-90L

## Installation requirements;

Installations of these products are outside the scope of this Supplier Technical Statement. Each State in Australia has its own regulations in regard to pool fencing and must be installed in accordance to AS1926.2-2012. It is recommended that this product be installed by a suitably qualified tradesperson. The finished Pool fence must be inspected and approved by a certified pool inspector or building authority.

1. General information on the installation of this product can be found at:  
[https://www.protectoraluminium.com.au/pdf/HowtoinstallFencing105x297mm\\_AUS.pdf](https://www.protectoraluminium.com.au/pdf/HowtoinstallFencing105x297mm_AUS.pdf)
2. How to Install around bends  
<https://www.protectoraluminium.com.au/wp-content/uploads/2021/07/AroundtheBend.pdf>
3. Josh and Jenna "How to Install Video"  
<https://youtu.be/R5vJcvSWO4k>
4. Engineering Design of Fixings for Protector Aluminium Flanged Posts, Slimline Mini Posts, Chisel Posts into Timber J190286-1a & J190286-2
5. How to Install G8 Safe "Pool Gate Latch"  
<https://www.g8safe.com.au/wp-content/uploads/g8safeLatchgenericinstallA4.pdf>
6. How to Install G8 Safe Adjustable hinges  
<https://www.g8safe.com.au/wp-content/uploads/g8safeHingegenericInstallA4.pdf>
7. How to Install G8 Safe Fixed Tension Hinges  
<https://www.g8safe.com.au/wp-content/uploads/g8safe-Hinge-Fixed-tension-Install-A4.pdf>
8. How to Install SafeTech Hardware Pool Gate Latch  
<https://www.safetechhardware.com/files/manuals/Magnetic-Pool-Gate-Latches.pdf>
9. How to Install SafeTech Hardware Adjustable Hinges  
<https://www.safetechhardware.com/files/manuals/Revolutionary-Adjustable-Tension-Gate-Hinges.pdf>

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<b>Other relevant technical data;</b>	<b>State of Territory Variations;</b> 1. In New South Wales delete 3.10.1.0(a) and insert NSW 3.10.1.0(a) as follows: (a)Performance Requirement P2.7.1 is satisfied for a swimming pool with a depth of water more than 300 mm and which is associated with a Class 1 building, if it has safety barriers installed in accordance with: (i)AS 1926 Parts 1 and 2; or (ii)If the swimming pool is a spa pool: (A)The requirements of (a)(i); or (B)Clause 9 of the Swimming Pools Regulation 2018. Application: NSW Part 3.10.1.0(a) applies in New South Wales to the technical construction requirements for barriers to restrict access to swimming pools, subject to out-of-ground pool walls and the walls of above ground pools, including inflatable pools, not being considered to be effective barriers. Note: The Swimming Pools Act 1992 and the Swimming Pools Regulation 2018, applicable to swimming pools with a depth of water of more than 300 mm, regulate the circumstances in which a barrier is required and prevail in the case of any inconsistency. 2. Part 3.10.1.0(a) does not apply in Queensland. Note: Restriction of access to swimming pools in Queensland is regulated under the Building Act 1975. 3. Part 3.10.1.0(a) does not apply in the Northern Territory. Note: Restriction of access to swimming pools in the Northern Territory is regulated under the Swimming Pool Safety Act.
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## Evaluation Statements

### Evaluation methods;

PCME Certifications has followed the following procedures for compiling of the UltiM8 Pool Fencing and Gate Hardware Supplier Statement;

- Assessment of the Protector Aluminium UltiM8 Pool Fencing and Gates products
- Assessing a quality plan for Protector Aluminium that conforms to ISO1005; and
- Reviewing testing of samples supplied to ascertain whether the product meets the performance requirements specified on this Technical Statement; and
- Conducting site audits of the factory to verify compliance of the Safetech Hardware Pool Fencing and Gates

**Note;** *The Product Technical Statement Holder has chosen not to make the above evidence of compliance publicly available, due to the documents being considered commercial confidence. For validation of the mentioned test reports Building Authority must contact the Technical Statement Holder directly.*

## Reports;

- a) Ian Bennie & Associates NATA Accreditation No. 2371;  
Report #2016-053-S3;  
Product – Flat Top Pool Fencing.  
Testing to AS 1926.1:2012;  
Dated August 2016

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Result: PASS

- b) Ian Bennies & Associates NATA Accreditation No. 2371;  
Report #2016-053-S8-S10;  
Product – Flat Top Pool Fencing.  
Testing to AS 1926.1:2012;  
Dated August 2016  
Result: PASS
- c) Ian Bennies & Associates NATA Accreditation No. 2371;  
Report #2018-031-S3L:  
Product – Safetech Hardware Magnetic Top-Pull Pool Gate Latch- Keyless (MTPL-K).  
Testing to Durability, Strength and Rigidity, Closing and Latching and Security of Closure of Gate Units  
Tests to AS1926.1:2012;  
Dated May 2018  
Result: PASS
- d) Ian Bennies & Associates NATA Accreditation No. 2371;  
Report #2019-062-S3BL:  
Product – Safetech Hardware Magnetic Top-Pull Pool Gate Latch (MTPL).  
Testing to Durability, Strength and Rigidity, Closing and Latching and Security of Closure of Gate Units  
Tests to AS1926.1:2012;  
Dated May 2020  
Result: PASS
- e) Ian Bennies & Associates NATA Accreditation No. 2371;  
Report #2018-031-S2L: Product – Safetech Hardware Tri Latch (TTPL).  
Testing to Durability, Strength and Rigidity, Closing and Latching and Security of Closure of Gate Units  
Tests to AS1926.1:2012;  
Dated May 2018  
Result: PASS
- f) Ian Bennies & Associates NATA Accreditation No. 2371;  
Report #2017-025-S3H:  
Product – Safetech Hardware Fixed Tension Hinge (SFTH-L and SHF-90L1). Testing to Durability, Strength and Rigidity, Closing and Latching and Security of Closure of Gate Units Tests to AS1926.1:2012;  
Dated May 2018  
Result: PASS
- g) Ian Bennies & Associates NATA Accreditation No. 2371;  
Report #2019-062-S4H:  
Product – Safetech Hardware Fixed Tension Hinge (SHG-90).  
Testing to Durability, Strength and Rigidity, Closing and Latching and Security of Closure of Gate Units  
Tests to AS1926.1:2012;  
Dated March 2020  
Result: PASS
- h) Ian Bennies & Associates NATA Accreditation No. 2371; Report #2017-025-S1H: Product – Safetech Hardware Adjustable Tension Hinge (SATH-L). Testing to Durability, Strength and Rigidity, Closing and Latching and Security of Closure of Gate Units Tests to AS1926.1:2012; Dated May 2018  
Result: PASS

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## Scope of Supplier Technical Statement:

The PCME (Product Compliance Made Easy) Product Technical Statement is to confirm that the relevant requirements of the Building Code of Australia (BCA) as claimed have been met. The responsibility for the product performance and its fitness for the intended use remain with the Supplier Technical Statement Holder. PCME Certification ensures all requirements to be classed as "Product Technical Statement", as per the National Construction Code for demonstrating compliance are fulfilled.

## Disclaimer:

The Scheme Owner, Scheme Administrator do not make any representations, warranties or guarantees, and accepts no legal liability whatsoever arising from or connected to, the accuracy, reliability, currency or completeness of any material contained within this certificate; the Scheme Owner, Scheme Administrator disclaim to the extent permitted by law, all liability (including negligence) for any claims of losses, expenses, damages and costs arising as a result of the use of the product(s) referred to in this Supplier Technical Statement.

**Note:** This Product Technical Statement is only valid when reproduced in its entirety.

*Stefan Ossenberg*

A handwritten signature in blue ink, appearing to read 'Stefan Ossenberg', is written over a light blue horizontal line.

PCME Certifications Representative Name

Signature

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