



A Z U M A  
Design

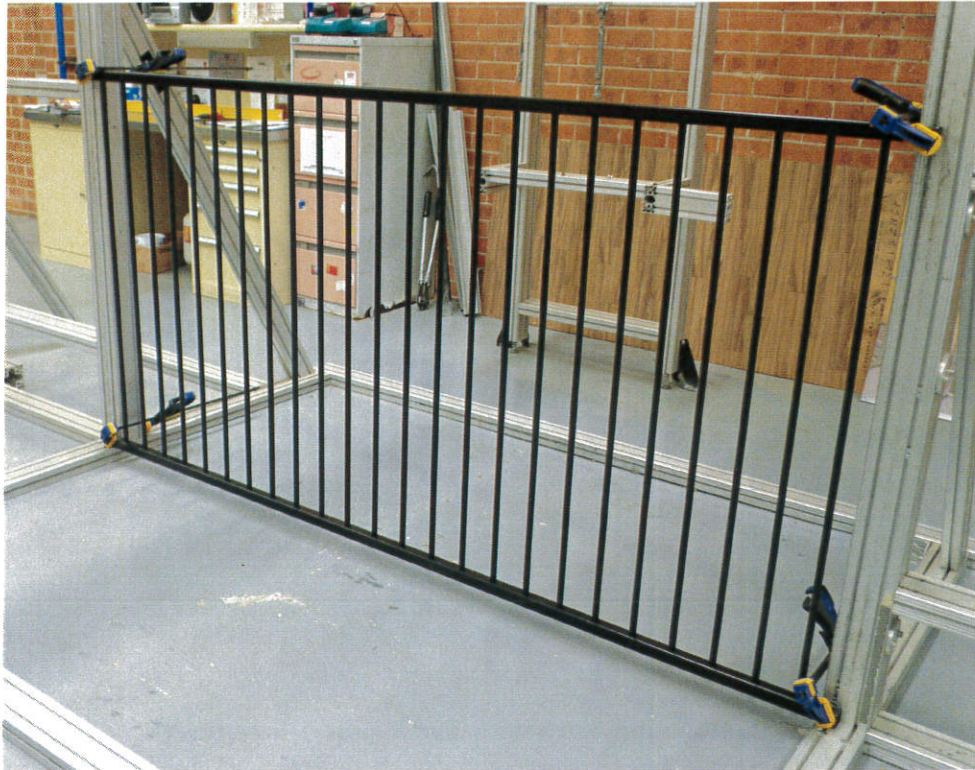
NATA Accredited Laboratory No: 15147



POOL FENCE TEST NO: AZT0008.13A

# **POOL FENCE TEST REPORT**

**Client: Aussie Fencing**



**As per 'AS1926 Set- 2012 Swimming pool safety Standards Set – Section 3-  
Loading Requirements'**

**Azuma Design Pty Ltd**

Address: 38 Redfern Street, Wetherill Park NSW 2164 Australia PH: +61(02)9604 0255

POOL FENCE TEST NO: AZT0008.13A

## POOL FENCE TEST REPORT

**Model No. / Name:** Black powdercoat steel pool fence panel

**Customer:** Aussie Fencing

**Address:** 25 Sundercombe Street Osborne Park W.A

**Date of Test:** 30<sup>th</sup> January 2013

**Dimensions:**

**Vertical pickets-** Ø16mm      **Pitch-** 97mm      **Horizontals-** 30mm x 30mm x 1.5mm

**Aim:** To test the pool fence sample according to 'AS1926.1 Set 2012- Swimming Pool Safety Standards Set- Section 3- Loading Requirements'. Only the applicable tests for this type of sample shall be carried out.

**Results:**

**Section 3.1- STRENGTH AND RIGIDITY OF OPENINGS- As per Appendix A of AS1926.1**

**Test description:** Record the force required to pull a conical end test object as per the standard, through the fence panel. The fence panel will be tested in three locations, across the width of the panel at the middle of each third of the panel. The peak force shall be not less than 150N. Please see photos for further detail.

**Test requirement:** Openings in the fencing shall have sufficient strength and rigidity such that 105 mm diameter cone can not pass through the opening under the minimum application of 150 N force.

**Test result:**

	Peak force (min. 150 Newtons)	Result
Location #1-	<u>283.6</u>	<u>PASS</u>
Location #2-	<u>263.2</u>	<u>PASS</u>
Location #3-	<u>301.1</u>	<u>PASS</u>

**Azuma Design Pty Ltd**

Address: 38 Redfern Street, Wetherill Park NSW 2164 Australia PH: +61(02)9604 0255



A Z U M A  
Design

NATA Accredited Laboratory No: 15147



POOL FENCE TEST NO: AZT0008.13A

## POOL FENCE TEST REPORT

Model No. / Name: Black powdercoat steel pool fence panel

Customer: Aussie Fencing

Address: 25 Sundercombe Street Osborne Park W.A

Date of Test: 30<sup>th</sup> January 2013

Test sample after pull test:



**Azuma Design Pty Ltd**

Address: 38 Redfern Street, Wetherill Park NSW 2164 Australia PH: +61(02)9604 0255

POOL FENCE TEST NO: AZT0008.13A

## **POOL FENCE TEST REPORT**

**Model No. / Name:** Black powdercoat steel pool fence panel

**Customer:** Aussie Fencing

**Address:** 25 Sundercombe Street Osborne Park W.A

**Date of Test:** 30<sup>th</sup> January 2013

**Section 3.2- STRENGTH OF POST AND FOOTINGS-** N/A

**Section 3.3- STRENGTH OF FENCING COMPONENTS- *As per Appendix C of AS1926.1***

### **Section 3.3.1- Rigid components**

**Test description:** A test probe attached to a force gauge is applied to the test sample. Place the flat end of the test probe against the component to be tested. Apply a force of 250 N, without shock, to the test object to load the component in the desired direction. Remove the test force and inspect the component for permanent deformation. Apply a force of 330 N, without shock, to the test object in order to load the component in the desired direction. Remove the test force and inspect the component for breakage or sign of fracture of any component and loosening of any component. Measure and record the amount of deformation of the component, in millimetres. Please see photos for further detail.

**Test requirement:** Structural components shall be capable of;(a) sustaining a force of 250 N without any component becoming permanently deformed; and(b) sustaining a force of 330 N without any component breaking, showing signs of fracture, loosening, or becoming permanently deformed by more than 10 mm over its length

**Azuma Design Pty Ltd**

**Address:** 38 Redfern Street, Wetherill Park NSW 2164 Australia PH: +61(02)9604 0255

POOL FENCE TEST NO: AZT0008.13A

## POOL FENCE TEST REPORT

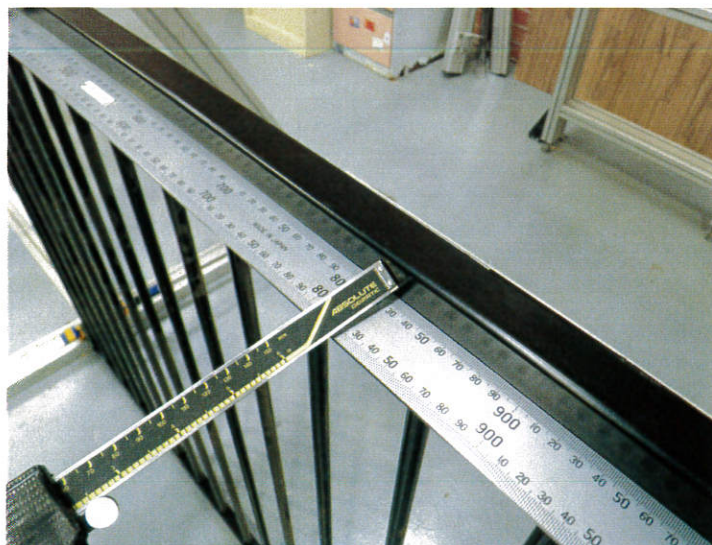
Model No. / Name: Black powdercoat steel pool fence panel

Customer: Aussie Fencing

Address: 25 Sundercombe Street Osborne Park W.A

Date of Test: 30<sup>th</sup> January 2013

Horizontal 30mm square tube



**Azuma Design Pty Ltd**

Address: 38 Redfern Street, Wetherill Park NSW 2164 Australia PH: +61(02)9604 0255



A Z U M A  
Design

NATA Accredited Laboratory No: 15147



POOL FENCE TEST NO: AZT0008.13A

## POOL FENCE TEST REPORT

Model No. / Name: Black powdercoat steel pool fence panel

Customer: Aussie Fencing

Address: 25 Sundercombe Street Osborne Park W.A

Date of Test: 30<sup>th</sup> January 2013

### Section 3.3.1- Rigid components:

Test result:

Component tested- Horizontal 30mm square tube

#### *Requirement A*

Measurement before testing: 0mm

Force applied: 250N

Measurement after 250N applied and released: 0mm

Permanent deformation: 0mm

Result (No permanent deformation allowed): PASS

#### *Requirement B*

Measurement before testing: 0mm

Force applied: 330N

Measurement after 330N applied and released: 0.5mm

Permanent deformation: 0.5mm

Result (Max. 10mm allowable permanent deformation): PASS

Result: PASS

### **Azuma Design Pty Ltd**

Address: 38 Redfern Street, Wetherill Park NSW 2164 Australia PH: +61(02)9604 0255

POOL FENCE TEST NO: AZT0008.13A

## POOL FENCE TEST REPORT

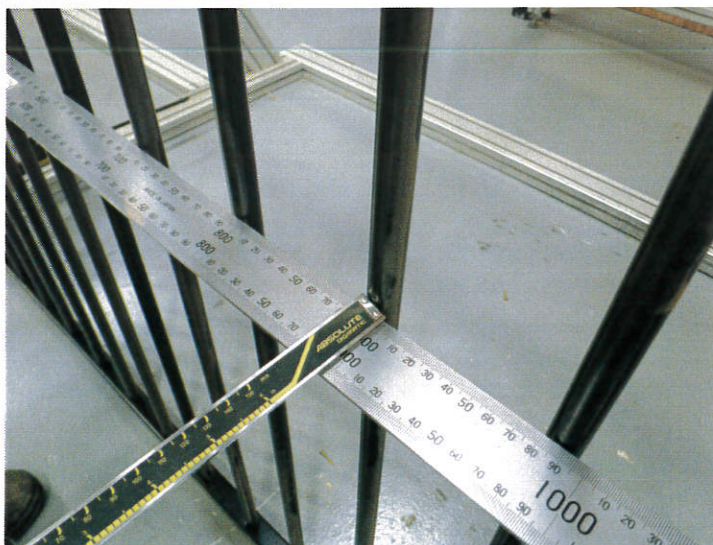
Model No. / Name: Black powdercoat steel pool fence panel

Customer: Aussie Fencing

Address: 25 Sundercombe Street Osborne Park W.A

Date of Test: 30<sup>th</sup> January 2013

Vertical Ø16mm round tube



**Azuma Design Pty Ltd**

Address: 38 Redfern Street, Wetherill Park NSW 2164 Australia PH: +61(02)9604 0255



A Z U M A  
Design

NATA Accredited Laboratory No: 15147



POOL FENCE TEST NO: AZT0008.13A

## POOL FENCE TEST REPORT

Model No. / Name: Black powdercoat steel pool fence panel

Customer: Aussie Fencing

Address: 25 Sundercombe Street Osborne Park W.A

Date of Test: 30<sup>th</sup> January 2013

### Section 3.3.1- Rigid components continued:

Test result:

Component tested- Vertical Ø16mm round tube

#### *Requirement A*

Measurement before testing: 0.5mm

Force applied: 250N

Measurement after 250N applied and released: 0.5mm

Permanent deformation: 0mm

Result (No permanent deformation allowed): PASS

#### *Requirement B*

Measurement before testing: 0.5mm

Force applied: 330N

Measurement after 330N applied and released: 1mm

Permanent deformation: 0.5mm

Result (Max. 10mm allowable permanent deformation): PASS

Result: PASS

**Azuma Design Pty Ltd**

Address: 38 Redfern Street, Wetherill Park NSW 2164 Australia PH: +61(02)9604 0255

POOL FENCE TEST NO: AZT0008.13A

## **POOL FENCE TEST REPORT**

**Model No. / Name:** Black powdercoat steel pool fence panel

**Customer:** Aussie Fencing

**Address:** 25 Sundercombe Street Osborne Park W.A

**Date of Test:** 30<sup>th</sup> January 2013

**Section 3.3.2 Flexible material and components:** N/A

**Section 3.4- CLOSING AND LATCHING OF GATES-** N/A

**Conclusion:** From the results achieved, it is evident that the sample has satisfied the requirements as per 'AS1926.1 Set 2012- Swimming Pool Safety Standards Set- Section 3- Loading Requirements'.

**Tested by:** Nathan Olsen

**Signatory Name:** Ashley Horne

**Signatory Signature:** 

**Date:** 30<sup>th</sup> January 2013

---

END OF REPORT

---

**Azuma Design Pty Ltd**

**Address:** 38 Redfern Street, Wetherill Park NSW 2164 Australia PH: +61(02)9604 0255