

# Product Technical Statement



<b>Company;</b>	Everton Pty Ltd				
<b>Product Name;</b>	Everton Glass Balustrade				
<b>Type and/ or use of product;</b>	Certified for use as a Glass Balustrade (when using Architects Choice Balustrade Glass)				
<b>Description of product;</b>	Everton Glass Balustrade HR520 Core Everton Glass Balustrade HR500 Heavy Everton Glass Balustrade HR Welded Heavy Post				
<b>Performance Requirements;</b>	AS/NZS 1170.0:2002 Structural Design Actions		General Principles (Clause 4.2 and Appendix B – Table B1)		
	AS/NZS 1170.1:2002 Structural design actions		Permanent, imposed and other actions (Clause 3.6, Table 3.3)		
	AS 1288:2006 Glass in buildings Set		Section 7 Balustrades		
	AS/NZS 2208: 1996 Safety Glazing in Buildings		This Standard applies to all safety glazing materials for use as required by AS 1288.		
	AS 1657:2018 Fixed Platforms, walkways, stairways and ladders		Design, construction and installation (Appendix B + C)		
<b>BCA (2019);</b>	<b>No.</b>	<b>Date</b>	<b>Title</b>	<b>Volume One</b>	<b>Volume Two</b>
	AS/NZS 1170 Part 0	2002	Structural design actions — General principles (incorporating amendments 1, 3 and 4)	BV1 B1.1 Spec B1.2	V2.1.1 3.0.2 3.5.1.0
	AS/NZS 1170 Part 1	2002	Structural design actions — Permanent, imposed and other actions (incorporating amendments 1 and 2)	B 1.2	3.0.3 3.0.4 3.9.1.2 3.9.1.3 3.9.2 3.9.2.3
	AS 1288	2006	Glass in buildings — Selection and installation (incorporating amendments 1, 2 and 3)	B1.4 Spec C2.5 Spec C3.4	3.6.0 3.6.1
	AS 1657	2018	Fixed platforms, walkways, stairways and ladders Design, construction and installation	D1.16 D1.17 D2.18 H1.6 H3.5	N/A

Issue Date: 12<sup>th</sup> June 2020

Expiry Date: 11<sup>th</sup> June 2021

Supplier Technical Statement Number: 100109 Rev.1

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## Limitations and Conditions

With regards to strength and/or rigidity of Balustrade, this Supplier Statement limits compliance to the following extent:

<b>1</b>	HR 520 Core- From the results achieved the sample deemed to satisfy the loading requirements as per Table 3.3 of AS/NZS 1170-2002 for the following classifications; <ul style="list-style-type: none"> <li>For a Category 'A' Domestic and residential activities- Other Residential (see C3).</li> <li>For a Category 'B, E' Offices and work areas not included elsewhere including storage areas- Fixed platforms, walkways, stairways and ladders for access (see NOTE 2).</li> <li>For a Category 'C3" Areas without obstacles for moving people and not susceptible to overcrowding- Stairs, landings, external balconies, edges of roofs etc.</li> </ul>	
	Note	All classifications with equal or lower load specifications may be applied to this sample. For more information as to their specific use please see Table 3.3 of AS/NZS 1170.1-2002
	Note 2	This usage (under B,E) is for access to and safe working places normally used by operation, inspection, maintenance and services personnel.
<b>2</b>	HR 500 Heavy Core- From the results achieved the sample deemed to satisfy the loading requirements as per Table 3.3 of AS/NZS 1170-2002 for the following classifications; <ul style="list-style-type: none"> <li>For a Category 'A' Domestic and residential activities- Other Residential (see C3).</li> <li>For a Category 'B, E' Offices and work areas not included elsewhere including storage areas- Fixed platforms, walkways, stairways and ladders for access (see NOTE 2).</li> <li>For a Category 'C3" Areas without obstacles for moving people and not susceptible to overcrowding- Stairs, landings, external balconies, edges of roofs etc.</li> </ul>	
	Note	All classifications with equal or lower load specifications may be applied to this sample, For more information as to their specific use please see Table 3.3 of AS/NZS 1170.1-2002
	Note 2	This usage (under B,E) is for access to and safe working places normally used by operation, inspection, maintenance and services personnel.
<b>3</b>	HR 500 Welded Heavy Post- From the results achieved the sample deemed to satisfy the loading requirements as per Table 3.3 of AS/NZS 1170-2002 for the following classifications; <ul style="list-style-type: none"> <li>For a Category 'A' Domestic and residential activities- Other Residential (see C3).</li> <li>For a Category 'B, E' Offices and work areas not included elsewhere including storage areas- Fixed platforms, walkways, stairways and ladders for access (see NOTE 2).</li> <li>For a Category 'C3" Areas without obstacles for moving people and not susceptible to overcrowding- Stairs, landings, external balconies, edges of roofs etc</li> </ul>	
	Note	All classifications with equal or lower load specifications may be applied to this sample, For more information as to their specific use please see Table 3.3 of AS/NZS 1170.1-2002
	Note 2	This usage (under B,E) is for access to and safe working places normally used by operation, inspection, maintenance and services personnel.
<b>4</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.	

## Product Technical Data

<b>Building Classification/s;</b>	1a & 10 and 2-9
<b>Type and intended use of a product;</b>	As per Page 1 (Everton Product Technical Statement)
<b>Description of product;</b>	Glass Balustrade (using Architects Balustrade Glass)
<b>Product specification;</b>	Refer Everton Span Calculator

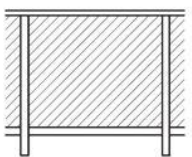
Issue Date: 12<sup>th</sup> June 2020

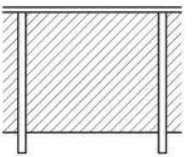
Expiry Date: 11<sup>th</sup> June 2021

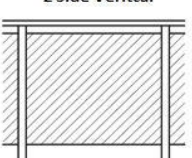
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Everton Balustrade Styles- 4 Sided Support						Heavy Duty				Medium Duty			
						Core Drill		Base Plate		Core Drill		Core Drill	
						Live (N/m)	Wind (Pa)	Live (N/m)	Wind (Pa)	Live (N/m)	Wind (Pa)	Live (N/m)	Wind (Pa)
Design	Infill Height	Infill Width	Finish Height	Post centers	Post Height								
 4 Side Support	970	600	1125	635	1095	2980	8180	1960	5390	2190	601		
	970	700	1125	735	1095	2580	7070	1700	4660	1890	519		
	970	800	1125	835	1095	2270	6220	1490	4100	1670	457		
	970	900	1125	935	1095	2020	5550	1330	3660	1490	408		
	970	1000	1125	1035	1095	1830	5020	1200	3310	1340	369		
	970	1100	1125	1135	1095	1670	4570	1100	3010	1220	336		
	970	1200	1125	1235	1095	1530	4200	1000	2770	1120	309		
	970	1300	1125	1335	1095	1420	3890	930	2560	1040	286		

Everton Balustrade Styles- 3 Sided Support						Heavy Duty				Medium Duty			
						Core Drill		Base Plate		Core Drill		Core Drill	
						Live (N/m)	Wind (Pa)	Live (N/m)	Wind (Pa)	Live (N/m)	Wind (Pa)	Live (N/m)	Wind (Pa)
Design	Infill Height	Infill Width	Finish Height	Post centers	Post Height								
 3 Side Support	970	600	1070	635	1040	3140	9070	2070	5980	2310	667		
	970	700	1070	735	1040	2710	7830	1780	5160	1990	576		
	970	800	1070	835	1040	2390	6890	1570	4540	1750	507		
	970	900	1070	935	1040	2130	6160	1400	4060	1570	453		
	970	1000	1070	1035	1040	1920	5560	1260	3660	1410	409		
	970	1100	1070	1135	1040	1750	5070	1150	3340	1290	373		
	970	1200	1070	1235	1040	1610	4660	1060	3070	1180	343		
	970	1300	1070	1335	1040	1490	4310	980	2840	1100	317		

Everton Balustrade Styles- 2 Sided Vertical						Heavy Duty				Medium Duty			
						Core Drill		Base Plate		Core Drill		Core Drill	
						Live (N/m)	Wind (Pa)	Live (N/m)	Wind (Pa)	Live (N/m)	Wind (Pa)	Live (N/m)	Wind (Pa)
Design	Infill Height	Infill Width	Finish Height	Post centers	Post Height								
 2 Side Vertical	970	600	1142	635	1112	2940	7930	1940	5230	2160	583		
	970	700	1142	735	1112	2540	6850	1670	4520	1860	504		
	970	800	1142	835	1112	2230	6030	1470	3970	1640	443		
	970	900	1142	935	1112	1990	5380	1310	3550	1460	396		
	970	1000	1142	1035	1112	1800	4860	1180	3200	1320	358		
	970	1100	1142	1135	1112	1640	4430	1080	2920	1210	326		
	970	1200	1142	1235	1112	1510	4080	990	2690	1110	300		
	970	1300	1142	1335	1112	1390	3770	910	2480	1020	277		

Everton Balustrade Styles- 2 Sided Horizontal						Heavy Duty				Medium Duty			
						Core Drill		Base Plate		Core Drill		Core Drill	
						Live (N/m)	Wind (Pa)	Live (N/m)	Wind (Pa)	Live (N/m)	Wind (Pa)	Live (N/m)	Wind (Pa)
Design	Infill Height	Infill Width	Finish Height	Post centers	Post Height								
 2 Side Horizontal	970	600	1125	795	1095	2380	6530	1570	4300	1750	480		
	970	700	1125	895	1095	2110	5800	1390	3820	1550	426		
	970	800	1125	995	1095	1900	5220	1250	3440	1400	384		
	970	900	1125	1095	1095	1730	4740	1140	3120	1270	348		
	970	1000	1125	1195	1095	1580	4340	1040	2860	1160	319		
	970	1100	1125	1295	1095	1460	4010	960	2640	1070	295		
	970	1200	1125	1395	1095	1350	3720	890	2450	990	273		
	970	1300	1125	1495	1095	1260	3470	830	2290	930	255		

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## Everton Balustrade Styles- Stand Off Handrail

Design	Infill Height	Infill Width	Finish Height	Post centers	Post Height	Heavy Duty				Medium Duty	
						Core Drill		Base Plate		Core Drill	
						Live (N/m)	Wind (Pa)	Live (N/m)	Wind (Pa)	Live (N/m)	Wind (Pa)
	970	600	1060	635	980	3330	10210	2190	6730	2450	751
	970	700	1060	735	980	2880	8820	1900	5820	2120	649
	970	800	1060	835	980	2530	7770	1660	5120	1860	571
	970	900	1060	935	980	2260	6930	1490	4570	1660	510
	970	1000	1060	1035	980	2040	6260	1340	4130	1500	460
	970	1100	1060	1135	980	1860	5710	1220	3760	1370	420
	970	1200	1060	1235	980	1710	5250	1120	3460	1260	386
	970	1300	1060	1335	980	1580	4860	1040	3200	1160	357

## Everton Balustrade Styles- Stand Off with Bottom Rail

Design	Infill Height	Infill Width	Finish Height	Post centers	Post Height	Heavy Duty				Medium Duty	
						Core Drill		Base Plate		Core Drill	
						Live (N/m)	Wind (Pa)	Live (N/m)	Wind (Pa)	Live (N/m)	Wind (Pa)
	970	600	1115	635	1035	2160	9160	2080	6040	2320	673
	970	700	1115	735	1035	2730	7910	1800	5220	2000	581
	970	800	1115	835	1035	2400	6960	1580	4590	1760	512
	970	900	1115	935	1035	2140	6220	1410	4100	1570	457
	970	1000	1115	1035	1035	1930	5620	1270	3700	1420	413
	970	1100	1115	1135	1035	1760	5120	1160	3370	1300	376
	970	1200	1115	1235	1035	1620	4710	1060	3100	1190	346
	970	1300	1115	1335	1035	1500	4350	990	2870	1100	320

## Architects Choice Glass Balustrade Infill Panels

AC1442	Heat Soaked Glass Balustrade Panel 1300W x 970H 12mm
AC1449	Heat Soaked Glass Balustrade Panel 1200W x 970H 12mm
AC1456	Heat Soaked Glass Balustrade Panel 1100W x 970H 12mm
AC1463	Heat Soaked Glass Balustrade Panel 1000W x 970H 12mm
AC1470	Heat Soaked Glass Balustrade Panel 900W x 970H 12mm
AC1477	Heat Soaked Glass Balustrade Panel 800W x 970H 12mm
AC1484	Heat Soaked Glass Balustrade Panel 700W x 970H 12mm
AC1694	Heat Soaked Glass Balustrade Panel 600W x 970H 12mm

## Architects Choice Glass Balustrade Glazing Mark (Ref. AS 1288-2006);

- 5.23 Identification of Safety Glass; and  
5.23.3 Minimum Marking Requirements;



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<b>Other relevant technical data;</b>	Everton Glass Balustrade System Technical Manual June 2020
	<ol style="list-style-type: none"><li>1. Technical Manual Release Notes</li><li>2. Technical Specifications</li><li>3. Loading Tables</li><li>5. Extrusions</li><li>6. Hardware &amp; Components</li><li>7. Typical Elevation</li><li>8. Typical Details</li><li>11. Assembly Details</li><li>12. Glazing Details</li><li>13. Care &amp; Maintenance</li></ol>
	Everton Glass Balustrade Warranty

<b>Installation requirements;</b>	Installations of these products are outside the scope of this Product Technical Statement. Each State in Australia has its own regulations regarding balustrade and must be installed in accordance to the relevant Structural/ Civil Engineers specifications, Building Codes, Australian/ New Zealand Standards, Regulations and Legislations. It is recommended that this product be installed by a suitably qualified tradesperson. The finished balustrade must be inspected and approved by a certified Building Inspector/ Surveyor or Building Authority.
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## Evaluation Statements

<b>Evaluation methods;</b>	PCME Certifications has followed the following procedures for compiling of Everton Balustrade Supplier Statement; <ul style="list-style-type: none"><li>- Assessment of the Everton products</li><li>- Assessing a product quality plan for the Protector Group (Everton Pty Ltd) that conforms to ISO10005; and</li><li>- Reviewing testing of samples supplied to ascertain whether the product meets the performance requirements specified on this Technical Statement; and;</li><li>- Conducting site audits of the Protector Group Head Office to verify compliance of the Everton Balustrade system</li></ul>
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**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) Testing Laboratory: Azuma Design Pty Ltd Nata Accreditation No. 15147  Balustrade Glass HR520 Core Test Report: AZT0597.19  Test samples as per loads specified in 'Clause 3.6, Table 3.3 of AS 1170.1-2002' and combination factors as specified in Clause 4.2 of AS/NZS 1170.0:2002 by the test methods specified in specified in Appendix B + C of AS1656-2018  Date: 4 <sup>th</sup> December 2019
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Result: PASS

- b) Testing Laboratory: Azuma Design Pty Ltd AZT0597  
Nata Accreditation No. 15147

Balustrade Glass HR520 Split Core  
Test Report; AZT0600.19

Test samples as per loads specified in 'Clause 3.6, Table 3.3 of AS 1170.1-2002' and combination factors as specified in Clause 4.2 of AS/NZS 1170.0:2002 by the test methods specified in specified in Appendix B + C of AS1656-2018

Date: 4<sup>th</sup> December 2019  
Result: PASS

- c) Testing Laboratory: Azuma Design Pty Ltd AZT0597  
Nata Accreditation No. 15147

Balustrade Glass HR500 Heavy  
Test Report: AZT0598.19

Test samples as per loads specified in 'Clause 3.6, Table 3.3 of AS 1170.1-2002' and combination factors as specified in Clause 4.2 of AS/NZS 1170.0:2002 by the test methods specified in specified in Appendix B + C of AS1656-2018

Date: 4<sup>th</sup> December 2019  
Result: PASS

- d) Testing Laboratory: Azuma Design Pty Ltd AZT0597  
Nata Accreditation No. 15147

Balustrade Glass HR500 Welded Heavy Post  
Test Report: AZT0601.19

Test samples as per loads specified in 'Clause 3.6, Table 3.3 of AS 1170.1-2002' and combination factors as specified in Clause 4.2 of AS/NZS 1170.0:2002 by the test methods specified in specified in Appendix B + C of AS1656-2018

Date: 4<sup>th</sup> December 2019  
Result: PASS

- e) SAI Global AS/NZS 2208 Glazing Certificate  
Standardsmark Licence;

Everton Australia Pty Ltd

Certificate Number: SMK 40802  
Expires 15<sup>th</sup> January 2023

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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 positioned above the printed name.

**PCME Certifications Representative Name**

**Signature**

**Certification Company Name: PCME Certifications**

**ABN: 15 818 404 064**

**Address: : PO Box 4721 Sunshine Coast MC 4560**

**Phone: +61 422 220 192**

**Email: [stefan@PCMEcertifications.com](mailto:stefan@PCMEcertifications.com)**

**Website: [www.pcmecertifications.com](http://www.pcmecertifications.com)**

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