


BUILDING CONTROL COMPLIANCE CERTIFICATE

BALUSTRADE ID:	58692-BAL-001	ORDER ID:	OA58692	Quantity of Units
BALUSTRADE SYSTEM:	Aerofoil System glass balustrade 9.39m (1.50m + 6.25m + 1.64m) 1.13m height Colour finish: RAL 9005 (Jet black) Glass: 10mm Clear Toughened Handrail fixed to the wall/structure at one end with an end post at the other end.			1
NO. OF VERTICAL POSTS:	3 Nos.			
MAXIMUM ALLOWABLE SPAN BETWEEN POST CENTRES:	2100 mm			
POSTS TYPE:	Aerofoil Primary Post - 170X150mm Base Plate			
MAXIMUM ALLOWABLE SPAN WITHOUT VERTICAL POSTS:	4000 mm			
SYSTEM DRAWING: (SCAN ME) ->	 https://www.balconette.co.uk/glass-balustrade/order-drawing/6311f766-2bbf-419a-a7e3-ada50102e76f			
STRUCTURAL DESIGN COMPLIANCE:	SERVICE LOAD ON HANDRAIL:	0.74 kN/m - Uniformly distributed line load acting 1100mm above finished floor level.		
	SERVICE LOAD ON INFILL:	1.00 kN/m² - Uniformly distributed load		
	POINT LOAD ON INFILL DESIGN:	0.50 kN - Applied to any part of the glass infill		
	OCCUPANCY CLASS/ES:	<ul style="list-style-type: none"> • Domestic and residential activities - (i) &(ii) • Offices and work areas not included elsewhere - (iii), (iv) &(v) • Areas without obstacles for moving people and not susceptible to overcrowding - (viii) &(ix) 		

FIXING LOADS

Wall Fixings:

Location	Working Load tension force required (kN) per fixing	Substrate Fixing To	Fixing Used
Left Hand side wall (when viewed from inside)	1.75	Solid Masonry/Solid Clay Brick	M8 Chemical fixing - 110mm (Solid Clay Brick R-KEM-II - resin type)

Bottom Rail Fixings:

Section	Working Load tension force required (kN) per fixing	Substrate Fixing To	Fixing Used
#1 (1500 mm)	0.50	Aluminium Decking Board	4.8mm x 45mm Countersunk head pozi A2 stainless Steel Chipboard Screw
#2 (6250 mm) 2 no. posts	0.50	Aluminium Decking Board	4.8mm x 45mm Countersunk head pozi A2 stainless Steel Chipboard Screw
#3 (1654 mm) 1 no. posts	0.50	Aluminium Decking Board	4.8mm x 45mm Countersunk head pozi A2 stainless Steel Chipboard Screw

Structural Post Fixings:

Section	Working Load tension force required (kN) per fixing	Substrate Fixing To	Fixing Used
#1 (1500 mm)	N/A		
#2 (6250 mm) 2 no. posts	11.17	Good Quality Concrete (C20/25 or stronger)	M10 Chemical fixing - 130mm (Concrete R-KER-II Resin type)
#3 (1654 mm) 1 no. posts	11.17	Good Quality Concrete (C20/25 or stronger)	M10 Chemical fixing - 130mm (Concrete R-KER-II Resin type)


Balconette


Unit 6, Systems House, Eastbourne Road, Blindley Heath, Lingfield, Surrey, RH7 6JP. Tel: 01342-410411




www.Balconette.co.uk

Hybrid.balconette.co.uk

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<p>DESIGN STANDARDS:</p> <p>The balustrade as shown on these drawings has been designed and manufactured by Balconette and is compliant with the following standards:</p>	<ul style="list-style-type: none"> • BS 6180:2011 British standard: Barriers in and about buildings. • EN 1990 Eurocode 0: Basis of structural design. • EN 1991 Eurocode 1: Actions on structures. • EN 1993 Eurocode 3: Design of steel structures. • EN 1999 Eurocode 9: Design of aluminium structures. • BS EN 1990:2002 + A1:2005 Eurocode: UK National annex for Eurocode. • BS EN 1991-1-4:2002 + A1:2010 Actions on structures wind actions. • UK National Annex to EN 1991-1-4:2002 + A1:2010 - Guidance on the determination of natural wind actions. • Approved Document B Building regulation - Fire safety. • Approved Document K Building regulation - Protection from falling, collision and impact. • BS 8579:2020 Guide to the design of balconies and terraces. • Glass panels Kite Marked to BS EN 12600 CE Class 1
<p>SUPPORTING STRUCTURAL CALCULATION DOCUMENT:</p> <p>(SCAN ME) -></p>	 <p>https://www.balconette.co.uk/content/uploads/99c07c5f-c04c-476f-8ce8-839ca9ccbda7/b2wlb06112018-aerofoil-(balcony-2)-using-60x24mm-rhs-posts-with-170-x-150-base-plates.pdf</p>

FIRE RATING	
<p>FIRE CLASSIFICATION BALUSTRADE SYSTEM, METAL WORK & POSTS:</p>	<p>A1</p>
<p>FIRE CLASSIFICATION GLASS:</p>	<p>A1</p>
<p>SUPPORTING FIRE CLASSIFICATION CERTIFICATE:</p> <p>(SCAN ME) -></p>	 <p>https://www.balconette.co.uk/content/uploads/25e6613e-7c06-416e-a630-d6a89822534d/13501-classification-report-344b.pdf</p>

DOCUMENT DETAILS	QR CODES (SCAN ME TO READ / FOLLOW THE LINK)
INSTALLATION GUIDE	 https://www.balconette.co.uk/glass-balustrade/balcony2-balustrade-installation
WARRANTY / GUARANTEE	 https://www.balconette.co.uk/general/balconette-balustrades-10-year-guarantee-information-and-terms-and-conditions
MAINTENANCE / AFTERCARE	 https://www.balconette.co.uk/general/maintenance-and-operation-guidelines-for-glass-balustrades-screens-and-juliette-balconies

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USEFUL CONTACTS

For Technical assistance or further product information, including replacement components, please contact our sales department or customer service department.

OFFICE HOURS: Monday Friday: 8:30 am to 17:30 pm

Customer services	customercare@balconette.co.uk	Tel: 01342 410411
Sales	sales@balconette.co.uk	

NOTES FOR RECIPIENT (IMPORTANT)

THIS CERTIFICATE IS AN IMPORTANT AND VALUABLE DOCUMENT WHICH SHOULD BE RETAINED FOR FUTURE USE

- If you were the person ordering the work, but not the owner or user of the system, you should pass this certificate or a full copy of it including these notes, immediately to the owner or user of the system.
- This certificate has been issued to confirm that the system has been designed, manufactured, inspected, and tested in accordance with above mentioned standards.
- Installers are advised to be aware of the requirement of the supplied system when installing. Any design modification made to the system during installation will not be covered by this certificate.

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