Brooksby

Flightdeck Balconies

Balcony Specification & Components

Thermal Break Units

A variety of cast in options are available depending on the façade type, which can include fire rated thermal break and stub connectors to extend through the façade supplied to site with fitting templates to assist with setting out.

Balcony Chassis

Fully welded structure with internal lightweight support members to for decking system support. Steel section support arms bolted to stub connectors at second stage and support balcony chassis.

Decking

Aluminium decking fixed to balcony framing with hidden proprietary fixing detail. Decking to meet Class A1/A2 fire rating regulations. Other floor finishes such as porcelain tiles can also be used.

Integral Positive Drainage Tray (if required)

Integrated water collection tray with spigot outlet for connection to rainwater pipe.

Soffit and Fascia

Aluminium soffit to the underside can be in an arrange of designs to suit architectural intent.

Balustrade

Minimum 1100mm high balustrade constructed using structural steel/aluminium or panel glass, vertical bar ‘flat on edge’ detail or contract specific details such as book end solid panels, privacy screens etc , all to meet current regulations.

Finishes

Aluminium fascia’s and balustrades can be either, chromate free, chromate, powder coated, or pre-anodised to suit the project specification. Aluminium balustrades are generally hot zinc sprayed prior to finish being applied.

Call +44 (0) 20 7731 3310 **Email** info@brooksby.co
Evergreen House North Grafton Place London NW1 2DX

www.brooksby.co

Brooksby

Flightdeck Balconies

Slide-On Balcony Benefits

Patented Method
The FlightDeck concept uses a patented method of ‘sliding’ the finished balcony onto arms fixed to the structure.

Increased Quality
95% of the complete balcony is built off site.

Flexibility of Programme Sequence
Balconies can be installed in any sequence.

Reduced crane hook time
At least **60% faster** to install than traditional Bolt-on balconies.

Superior door threshold levelling and tolerance control
30mm adjustment in all directions.

100% increased safety
Operatives are not required to work under a live load at any point in the install process.

Onsite labour reduced by 75%
This is due to our offsite manufacturing process.

No return visits to install soffits
With increased risk of damage to apartments and surrounding surfaces.

Fully welded lightweight steel perimeter frame
As opposed to mechanically fixed lightweight materials.

93% Recycled
Of all steel structures are recycled.

Balcony Finishing & Details

Balcony Finishes

Stub units, cantilever arms and balcony chassis components are hot dip galvanised to EN ISO 1461. This process is carried out under a robust quality management system in accordance with industry standard BS EN ISO 9001:2008.

Aluminium fascia's and balustrades can be either, chromate free, chromate, powder coated, or pre-anodised to suit the project specification.

Aluminium balustrades are generally hot zinc sprayed to BS EN ISO 2063. Then powder undercoat ready for architectural grade polyester powder coat to standard RAL colour or metallic finish.

All powder coat finishes are certified class A1/A2 fire rated.

Design Parameters

Balcony design is in accordance with the British Standards, notably *BS EN1990:2002 Basis of Structural Design*. Balustrade loadings are project specific and designed to *BS 6180:2011 Barriers in and about buildings*.

Design Notes

The FlightDeck® balcony system has significant tolerance built into the patented connections. Minimum depth of fascia is 280mm and maximum is 750mm.

Brooksby

Flightdeck Balconies

Certifications & Accreditations

Brooksby Patent

No: 1622144.2

MADE IN BRITAIN

BUILDER'S PROFILE

SCCS UKAS MANAGEMENT SYSTEMS 021

Acclaim Accreditation

SSIP SAFETY SCHEMES IN PROCUREMENT

smas WORKSAFE

Achilles

CONSIDERATE CONSTRUCTORS

ISO 9001:2020

UKAS PRODUCT CERTIFICATION

Constructionline