



The Deep Balcony is designed with ease
and safety of installation in mind

Our Mission

Utilising the Deep Group's extensive envelope construction experience, Deep Group London have designed and patented a clip on structural system to revolutionise the pre-assembled balcony market.

Delivering excellence through dedicated people



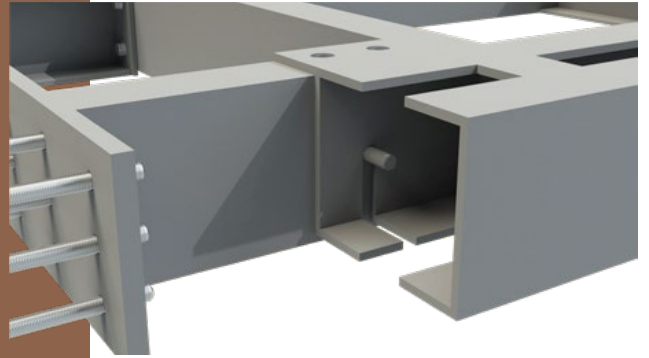


Message from CEO

"Trust, honesty and integrity. These are the values at the heart of Deep Group London, a people-focused venture I'm proud to have started over 10 years ago and expanded into a thriving collection of specialist service providers today."

Deep Parthipan, CEO
Deep Group London Ltd





The coordinated design between balcony stub and unit carcass ensuring safe and seamless installation.



Innovative Balcony Stub Design

The Deep Balcony fixing system

From the origins of a traditional cast in RC detail, Deep have developed an integrated protruding thermally broken stub system designed to support a fully assembled balcony from the temporary to permanent installation phase.

Bespoke stub projection dimensions are coordinated and designed specifically to suit the project cavity size. Our stubs are supplied free issue to our client for casting into RC details and formwork.

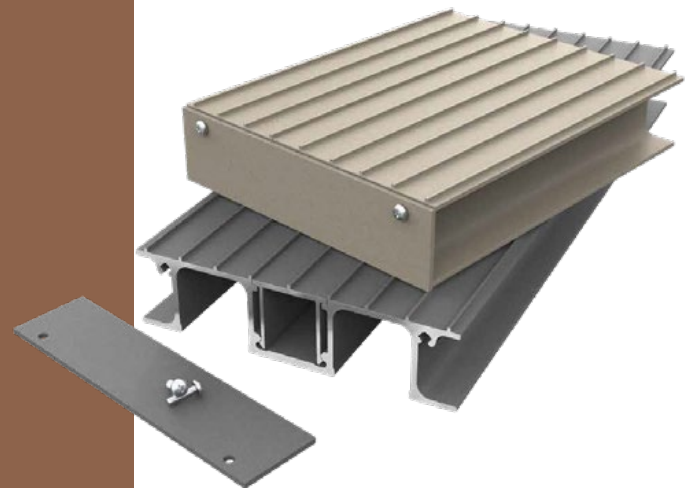
A sacrificial template accompanies stub assembly units per balcony ensuring ease of setting out, line & levelling for within tolerance pre-assembled balcony unit installation when site is ready.

DESIGNED
AND MADE
IN THE UK



Our Solution

By incorporating an innovative patented pending stub system, together with the cohesive design of non-combustible aluminium component parts - the Deep balcony positions itself as the UK's market leader in respect of quality, material traceability, engineering and safety of delivery and installation.



Advantages of Our System

As a result of trusted trading partnerships with our supply chain and their own extensive product ranges means the Deep Balcony can incorporate your project's unique brand identity while maintaining consistency in quality and output capacity from our manufacturing facility.

Flexibility of our Product Range

Our design has unrivalled flexibility to match specific project requirements including a large range of RAL colours, incorporating lighting features or porcelain floor finish options.

Bespoke Project Design



Utilising our in-house design and engineering service all deliverables are detailed and coordinated with the project's professional team to approval.

Manufacturing Capacity

Manufacturing from a 40,000sq/ft state of the art fabrication facility in the UK we can supply over 2,500 Deep Balconies nationwide.

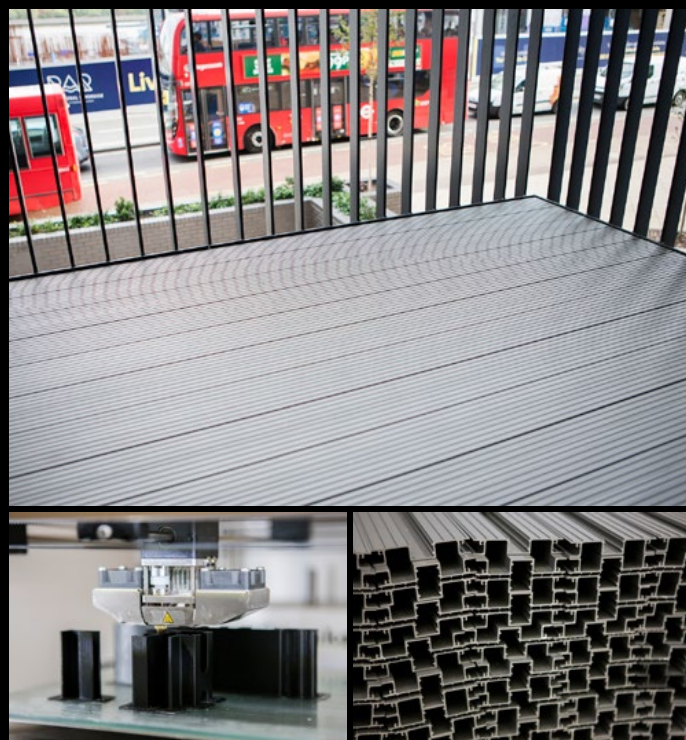


Our Product

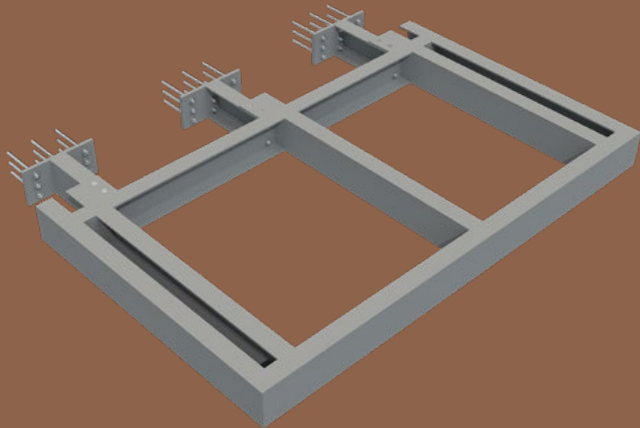
The Deep Balcony is a representation of the seamless combination of Mild Steel Galvanised carcass and Aluminium balustrade and A1 compliant decking and soffit system that incorporates water management solutions. Aluminium is a strong and durable material, able to withstand decades of use with minimal maintenance. A key property of aluminium is that it does not rust, even when exposed to wet environments over many years.

Aluminium decking with a powder-coat finish provides a near-zero maintenance solution for use in balconies, with just simple cleaning required. Highly resistant to damage due to its inherent strength, the aesthetic properties, slip resistance and durability of powder-coated aluminium decking can be expected to last for decades.

Our Aluminium Balustrade system is designed and manufactured with newly incorporated building regulation compliant inclined top rail.

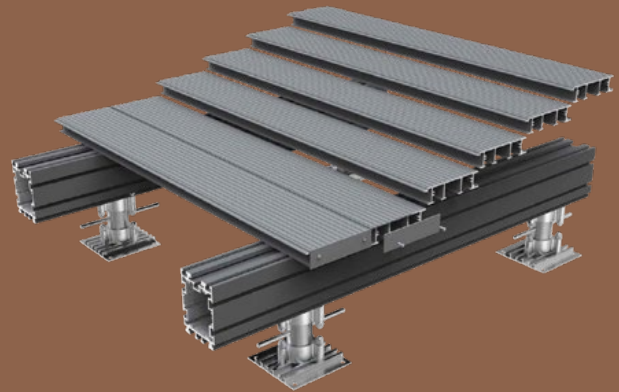


Materials



Mild Steel

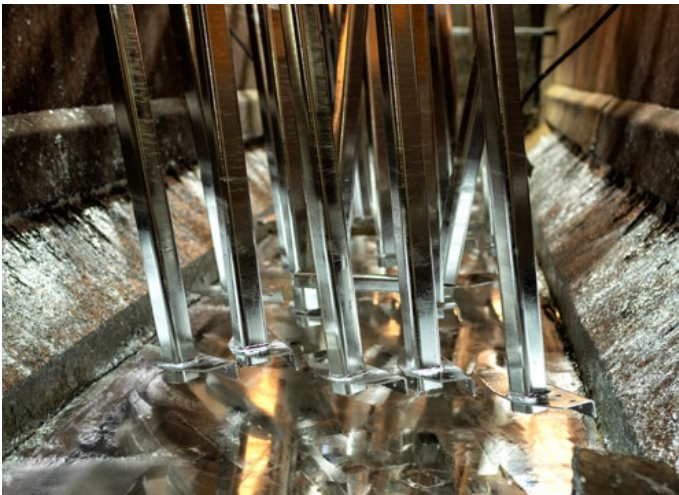
Marrying the rigidity of a fully fabricated mild steel carcass with architectural aluminium components parts provides our balconies with the solidity to limit deflection and provide end users with the confidence of our quality and workmanship.



Aluminium

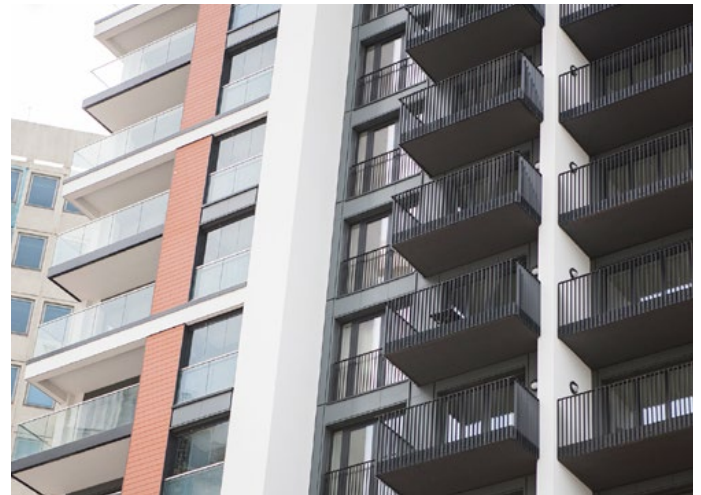
Much of our focus during the design development phase had been to minimise gross weight of our balcony assemblies while maintaining strength and loading capacity.

The result is our product's use of extruded aluminium decking, balustrade and water management soffits becomes beneficial to our clients - the Deep Balcony is designed to reduce deflection, quantities of stubs in turn a reduction in compromising slab penetrations and thermal and minimise carbon footprint.



Galvanising

After fabrication and quality assurance certification, all balcony carcasses are hot dip galvanised to provide corrosion resistance as necessary in an external environment.



Qualicoat



External aluminium components are finished in a controlled environment in Qualicoat Class 3 Paint to a wide range of RAL colours. Aluminium decking, soffits and balustrades are all finished by the same process and to the same high specification providing a uniquely uniform aesthetic.

Quality Assurance

Each Deep balcony is supplied with the following full certification:

CE Execution 2 certification

Our balconies are supplied with Declarations of Performance to certify their manufacture in accordance with CE Execution Class 2.



Non combustible

Independently tested to EN 13823, EN 13501 and EN ISO 1716, the Deep Balcony System achieves Fire Ratings of A1 and A2fl-s1, exceeding legislation and ensuring compliance for new build and renewal projects. Additionally, the decking boards have undergone Slip Resistance testing and all boards have been certified as "Low Risk" for slips in wet and dry conditions.



Quality Assurance Record

Deep Balconies Quality Assurance is recorded via FieldView from material traceability, manufacturing, installation and handover.



Offsite Assembly

Our fully automated manufacturing facility is equipped with the UK's most advanced digital machinery. Design inception and coordination of product detail with client team is followed by manufacturing and assembly at our 45,000sq/ft works specially designed to optimise fabrication duration while ensuring quality of output.

Manufacture

The use of digital fully automated fabrication plant ensures precision engineering and ease of installation.

Assembly

All components are installed offsite in a controlled environment with emphasis on quality of finish.

Q&A

A dedicated area manages the quality of every balcony unit. Products do not leave until they have passed our rigorous checking with is uploaded to FieldView portal for client transparency.

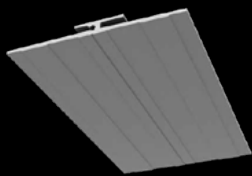


Water Management Systems

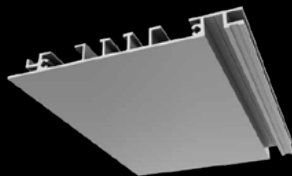
Our balconies can be supplied with or without soffit cladding subject to project requirements.

Incorporation of fully non-combustible soffit system can include:

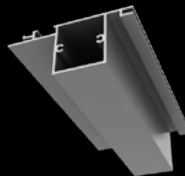
- **Lite** - free-draining options via the Lite system, this product is simple and is ideal for low rise construction.
- **Flow** - free draining through 5mm gaps between deck boards, water drains into an internally grooved set to fall front perforated channel and away from the building facade.
- **Decor** - a decorative positively drained system with decking perimeter channel - often flowing into a cavity or external building drainage system.



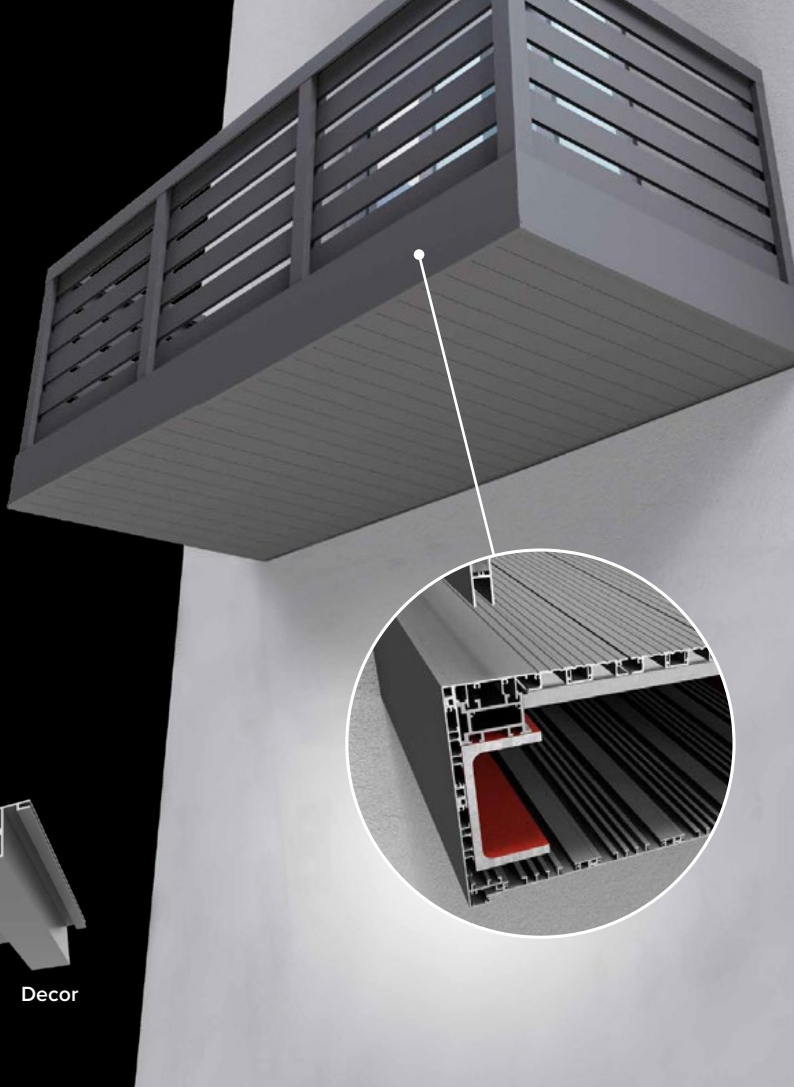
Lite



Flow



Decor



Thermally Broken

Thermal Bridging

This occurs at every penetration into the RC construction of the building's superstructure. The use of the Deep Balcony reduces the impact based on the inherent reduced gross weight of our system.

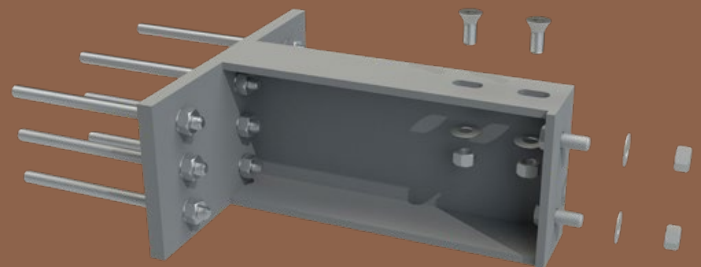
Stubs

Stubs are supplied incorporating an integral thermal break - designed to work in accordance with the forces and loads subject to balcony size.

Assemblies

Subject to balcony unit width and projection will determine quantities of stubs.

The Deep Balcony stub assemblies are supplied. The Deep Balcony stub assemblies are supplied free issue for casting in by others, with a sacrificial template which supports accuracy of casting by RC contractors. Deep also provide an installation guide and request records of casting tolerances are uploaded to FieldView as part of handover sequence.



Non-combustible

Aluminium products with A1 certification

All Deep Balcony decking and soffit cladding conform to the latest building regulations. Every balcony is fully non-combustible and supplied to the industries highest A1 and BS 8579:2020 compliance meaning that the Deep Balcony can be specified for use on all high rise developments above 18 metres.

The second classification in the Euroclass system is related to smoke emission. The rating S1, S2 or S3 indicates highest to lowest performance. Smoke classification is not provided for products from E to F. All of our products within our range achieve S1 classification.



Our Installation

At the point at which site is ready for the installation of the Deep Balcony, our transport arrives with pre-assembled units in a planned and economical sequence agreed with the client. Each unit should take no longer than 15 minutes to offload, install, line, level and sign-off for client handover.

Delivery

Balconies are delivered just in time to ensure storage on site is not required. All Balconies have their own bespoke reference number for traceability of materials and manufacturing.

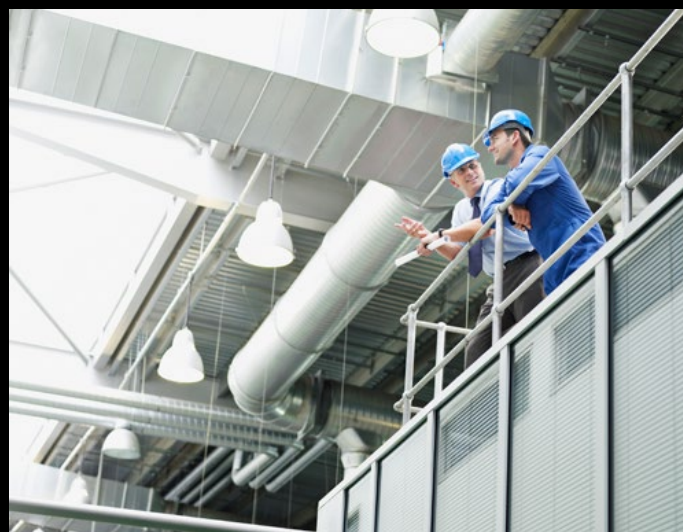
We always ensure we work in line with the client's time frames, needs and requirements with all aspects of the job including delivery.

Transport

Our vehicles are FORS Gold accredited with standard integral edge protection.

Just in time

Deliveries are made just in time and planned with the client to minimise site disruption to other trades.



Preslung

Each pre-assembled balcony unit arrives on site pre-slung which means operatives are not required to board lorry beds and therefore avoid the risk of working at height.

Units are lifted by certified lifting shackles on four corners, bolted and recorded offsite through sacrificial holes which are covered upon final deck board fixing.

Simplicity of Installation

The Deep Balcony is designed with ease and safety of installation in mind, following these easy steps:

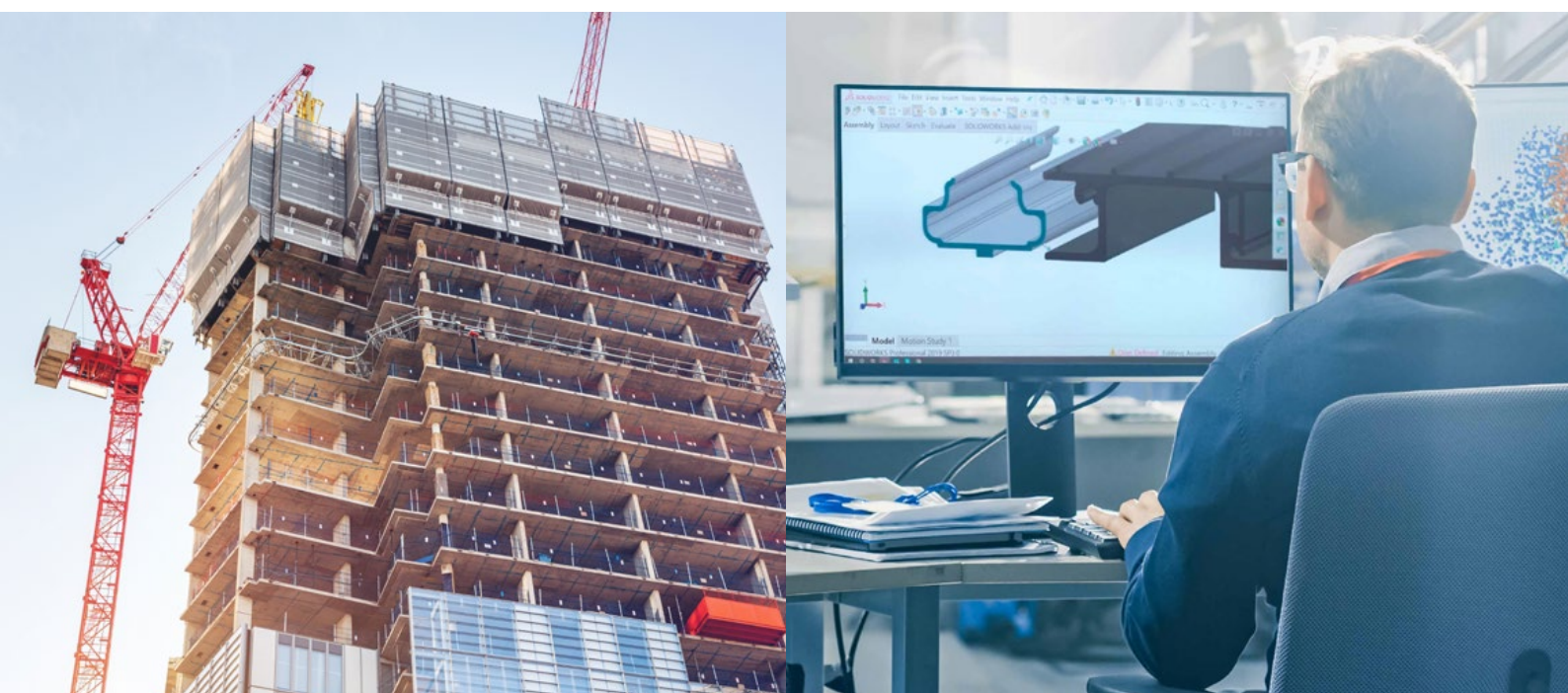
- Preslung for by our ground team of slinger signaller limiting working from height or boarding lorry beds.
- Pre assembled balcony units are offered up to pre-installed protruding stubs designed to take load of balcony.
- Working safely from within the building floor level behind edge protection and harnessed, our install team are guide the units using bespoke cantilever equipment and first fix to specified and record torque.
- Install team can then de-rig crane, adjust, line, level and install final deck boards before final snag and handover.

Handover

Using a full suite of FieldView software, the Deep Balcony is completed with a full traceable record from material origin, manufacturing assurance and installation sign off.

All of our products are designed with maintenance and end user in mind, with component parts having the ability to be inspected and serviced with a support team on hand to answer any queries.

We would be delighted to provide further details and samples of our products upon request.



Get in touch

For more information about Deep Balconies please **call: 020 3814 8400** or **email: info@deepbalconies.com** and a member of the team will be happy to help.

Delivering excellence
through dedicated people





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