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PINK SAND
GROUP

STAINLESS STEEL & GLASS

BALUSTRADES

ESSENTIAL SYSTEM INSTALLATION MANUAL

WELCOME TO

PINK SAND GROUP

"REPUTATION IS IMPORTANT,
INTEGRITY IS FUNDAMENTAL"

"UNRELENTING COMMITMENT
TO CUSTOMER SATISFACTION"



View our website here



ABOUT US

Everyone working with Pink Sand Group maintain high standards of workmanship at every stage of the process, from simple manufacturing to full fitouts. We bring together a group of people to create the vision, that's delivered efficiently, on budget and more importantly on time. Delivering our customers wants, needs and eliminating concerns is what we do.

HAVE CONFIDENCE FROM OUTSET

Pink Sand Group have a mission to set new standards of excellence as the business expands. Our enduring commitment to our mission, will ensure we are arguably the pre-eminent supplier of choice in the UK. We understand no two projects are ever the same. So when buying or appointing someone to deliver your requirements confidence is key.



Bespoke Design



Quality Assured



50+ Years Of Combined
Experience



Test Certification
Available

Key Information

Our balustrade systems must be installed onto a **solid structure**

In order for your balustrade system to be structurally sound it is imperative you install it onto a solid substructure, constructed of durable and solid materials.

We cannot be held liable for the system being structurally unsound if it is fitted to an unsuitable sub-structure.

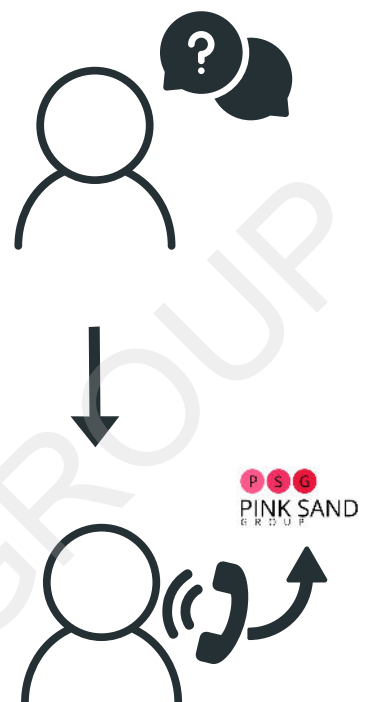
For help and advice on whether your substructure is fit for purpose please contact us on 01543 212008 or via info@pinksandgroup.co.uk.

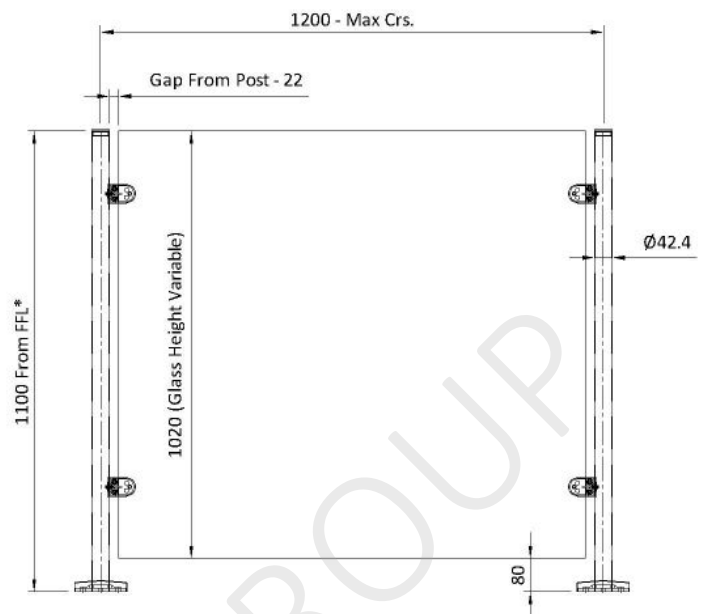
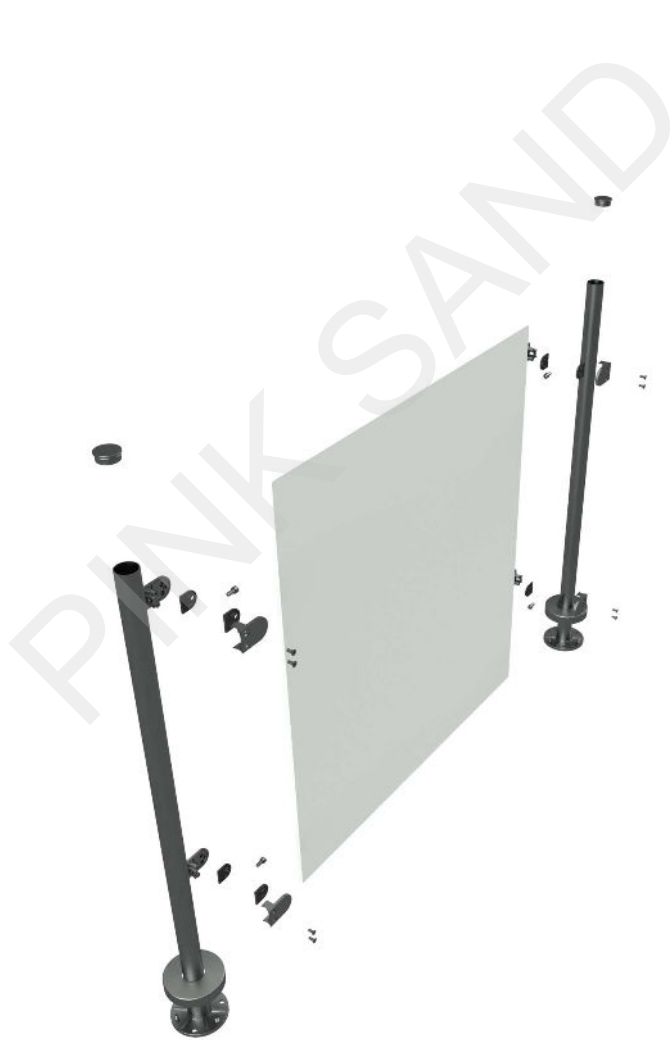
The fixings required to secure your balustrade to your substructure will vary upon application. A few typical examples include:

Material	Suggested Fixing*
Wood	Coach Screws Or Coach Bolts
Metal	Nut & Bolt Or Drill & Tap
Brick / Concrete	Anchor Bolts Or Chemical Resin Studs

*The fixings stated above are purely a guide and would not be suitable for every application, please consult with our team on the best suggested fixing for your application.

- When installing your balustrade, always ensure you refer to your approved drawing for details regarding post centres, offset / inset measurements and other specific key details. **ALWAYS INSTALL YOUR BALUSTRADE TO THE POST CENTRES DETAILED ON YOUR DRAWING.**
- Take time to properly lay out your balustrade and ensure post positions match those detailed on your approved drawing.
- When aligning the balustrade posts it is important to line through on each run via the glass clamps and not the baseplate fixing holes, baseplate fixing holes are subject to vary. You must achieve a straight fixing line for the glass.
- Ensure balustrade posts are set level in all directions, the use of shims may be required to achieve a level balustrade post.
- When installing the glass, it is important to check that the glass panel is clean and dry and the rubber gaskets / pads on the receiving clamps are also dry and debris free.
- Upon installation completion, you should clean down your balustrade according to your care and maintenance guide.





Glass panel width = post centre minus (44mm (gap each side to posts) + 42.4mm (radius of each post added together))
 Example: 1200mm post centre = 1113.6mm (1114mm rounded) Panel

* Balustrade height is dependent on application

Typical balustrade assembly



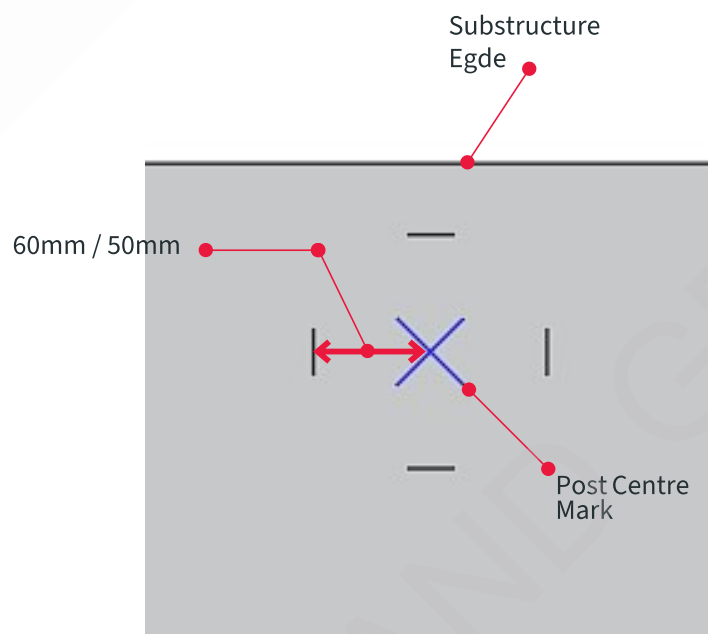
Setting Out For Installation

Please ensure to set-out / mark out entire job prior to any drilling or installation

- 1** Ensure the area you wish to install the balustrade is clear and accessible. Move any obstructions such as furniture, plant pots, etc. To allow you to measure and install accurately and safely.
- 2** Using your approved drawing, carefully mark out your posts positions starting with 'end' and 'corner' posts.
- 3** Take time to double check and measure again the centres after marking them out. Ensure you have adequate material to fix into under marked locations.



Around your post centre markings make 4 markings to represent the outside edge of the post bases. This will help you to ensure all your posts are evenly positioned and are all following the same centreline. 60mm from the centre point for 120mm bases and 50mm for 100mm bases.



INSTALLATION GUIDE

1



Begin your installation by laying out your balustrade system. Be sure to quantify everything against your materials list / approved drawing.

*** When laying out the components, ensure they are placed on a soft surface to prevent damage or scratching of the metal surface.**

Take care to ensure all components and screws are taken from their packaging and placed in a secure area until required to prevent loss.

2



Slide the baseplate covers down the post before installing any glass clamps.

3



Using the M8 machine screws supplied plus a 5.5mm allen key, attach the first half of the glass clamp to the posts where a threaded hole is present.

*** For bespoke systems that have additional handrail, custom posts may have additional holes to secure the rail. Please refer to your approved drawing for visual clamp locations.**

4



Press fit the rubber gaskets onto each half of the glass clamps.

*** Ensure the glass rubbers are clean and dry during installation.**

5



Put aside the remaining glass clamp components safely until the glass installation.

6



Set your posts out as per your approved drawing, this will detail the 'post centres' for you to work to.

*** Use your part assembled posts to help align with one another, use a spirit level or similar straight edge to ensure the glass clamps attached to the posts line through with each other (applies to each run of balustrade)**

Do not align the posts using the fixing holes in the baseplate, these are subject to vary in position compared to the glass clamps. Aligning the posts via this method may result in the glass not fitting.

You may need to level the posts prior to any marking or drilling to ensure correct placement at this stage.

7



Once you have correctly positioned your posts and aligned them, lift the cover plates and mark the fixing holes for each post.

Use a marker pen or pencil to create an obvious mark on your fixing surface.

8



Move the posts to reveal the markings for the fixing holes.

9



Using a suitable drill and drill bit for your substructure drill on the markings to create fixing holes in your substructure.

* Please note, drill bit size and/or type will vary dependent on application and the type of fixing to be used to secure the balustrade posts.
Ensure the holes are clear of debris.

10

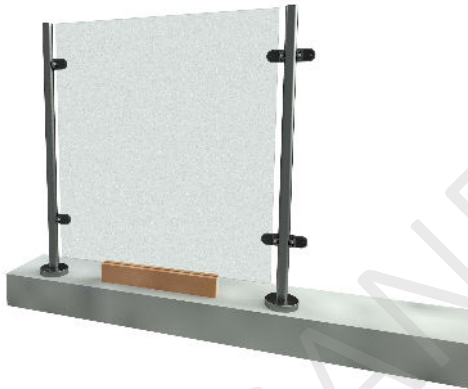


Now using the correct fixings for your substructure type, secure each post into position.

Ensure to level each post as you go, in all directions.

* Please note, leveling shims may be required to level the posts, ensure even placement to allow the baseplate to securely fix to the substructure.

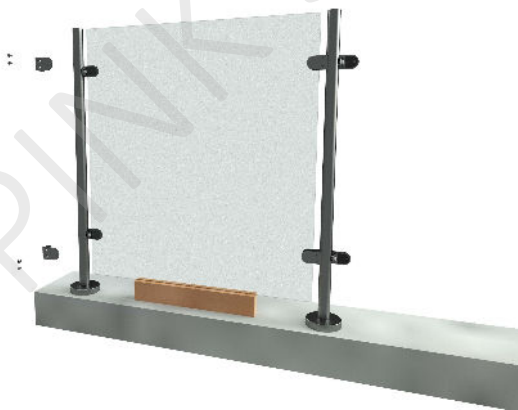
11



Using a block of wood or similar soft but solid item, begin to offer up the glass to the clamps on the posts. The gap created by the block of wood is typically 80mm (please refer to your approved drawing for reference).

* Ensure you are installing the correct glass panel for the post centres, refer to your drawing to indicate the glass panel size required for a given area.

12



Using the remaining parts of the glass clamps you previously set aside, secure the glass into place. You will need a 4mm allen key to tighten the screws, securing the clamp and glass.

* Ensure the rubber gaskets are in between the glass and the metal components before tightening.

Finish your installation by cleaning down your balustrade.

Please refer to your care and maintenance document for a detailed rundown on after care for your balustrade system.

If you require any further information then please contact the
Pink Sand team who will be more than happy to assist.
Email: info@pinksandgroup.co.uk

