



# INSTALLING Q-DECK® GLASS BALUSTRADES



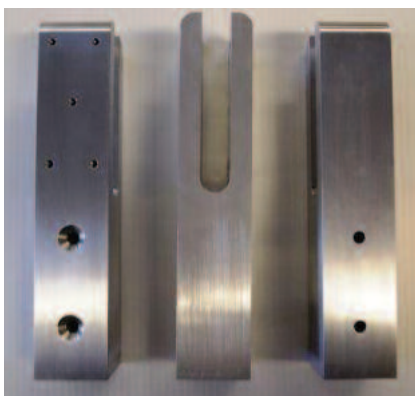
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# INSTALLATION GUIDE



## Q-Deck® Plus Frameless Glass Balustrade



**An innovative glass balustrade system designed to create a barrier/enclosure without interrupting a desirable view, with relative ease.**

Features:

- Maintains a clear view of a garden or vista
- Acts as a wind-break, providing a warmer more sheltered area compared to traditional balustrade systems
- Contemporary design maintains the impression of clear space and light
- Creates a stunning, modern, clean appearance
- Mini post design offers simplicity of fitting
- Can be supplied with optional hand-rail and fittings
- Glass screen heights available at 900 mm & 1100mm

The product system is available to order from **Q-Deck®** retailers. Use the order specification form on page 4.

Please note: This product is supplied direct to the purchaser (within mainland England and Wales) by the manufacturer to avoid handling damage.

### System components

- 12mm thick toughened glass with polished edges. Two glass heights are available, 900mm high or 1100mm high. The length of each glass panel is cut and supplied as required, maximum length (glass) is 2000mm. Glass panels should be sized to allow a 10mm space between panels.
- Protective-coated aluminium mini posts. Minimum requirement two posts per glass panel.

If extra stability is required a stainless steel handrail can be added to the top of the glass.

- **Q-Deck® Plus** 42mm diameter stainless steel (316) handrail for glass. Supplied pre-cut to the length of each glass panel. If glass panels are to be run in-line, handrail can be supplied to suit (up to 3000mm length on request).
- **Q-Deck® Plus** stainless steel (316) end cap for handrail.
- **Q-Deck® Plus** stainless steel (316) 90 degree handrail corner joint.
- **Q-Deck® Plus** stainless steel (316) articulated handrail corner joint.



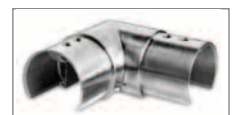
Mini post



Handrail



End cap



Handrail corner joint

# INSTALLATION GUIDE

## FITTING GLASS BALUSTRADES

Full instructions are supplied with each Mini Post or batch of Mini Posts.

It is the responsibility of the installer to ensure that the relevant standards governing balustrades and balconies are adhered to.

**Q-Deck® Plus** Frameless Glass Balustrade system is generally suitable for installations up to 600mm above adjacent ground fall. If in doubt always seek guidance from your local planning officer and the details set out in BS6399.

### Fitting the Mini Posts

Minimum requirement two per glass panel and spacing not to exceed 500mm from centre to centre of adjacent mini posts i.e. a 1500mm panel requires 3 mini posts to support it.

Maximum overhang from centre line of mini post to outer edge of glass panel is 270mm.

Material- 6082 T4 grade aluminium treated with a protective low maintenance coating. The protective coating should be re-applied every 5 years.

Each pair of aluminium mini posts come complete with:

- 4No x M8 Stainless Steel CSK Bolts
- 10No Stainless Steel grub screws
- 4No x M8 screwed Rod
- 4No x 1.5mm x 110mm x 46mm Neoprene Pads for side packing
- 2No x 10mm x 18mm x 46mm Neoprene Pads for glass support
- 4No x 1.5mm x 18mm x 46mm Neoprene Pads for glass support fine adjustment
- 2No x 5mm stainless steel plates.



Mini posts

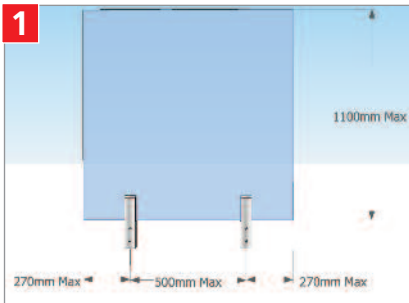
Mini Posts can be fixed to timber, concrete and steel on decking, stairwells as swimming pool fencing and in many other locations. All locations and design loadings as above should be fully checked with a building control officer.



# INSTALLATION GUIDE

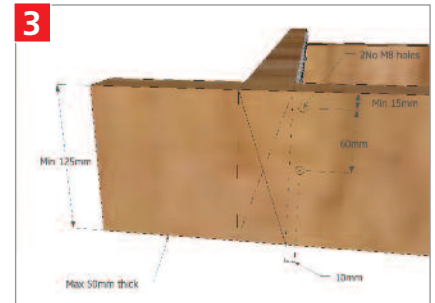
## FITTING GLASS BALUSTRADES

Should the standard installation fixings and straps not be fully adopted then the installation should be verified by a structural engineer.

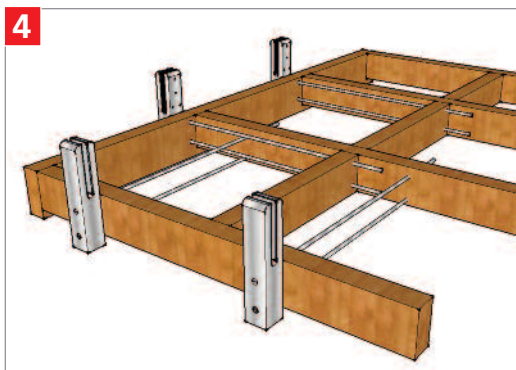


**1** For new decks, set deck joists to suit glass spacing. It is strongly recommended that you use Q-Deck® Use Class 4 44mm x 144mm multi-purpose deck joists to build the subframe.

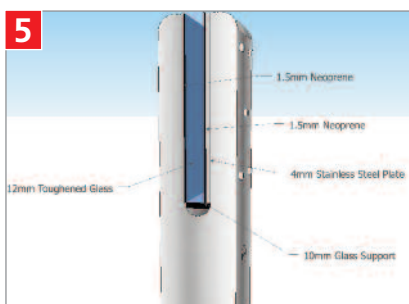
**2** When attaching to an existing deck with a gradient, aligning the system to follow the gradient/rim joist is recommended as long as the gradient is not excessive (we recommend up to 1 in 80).



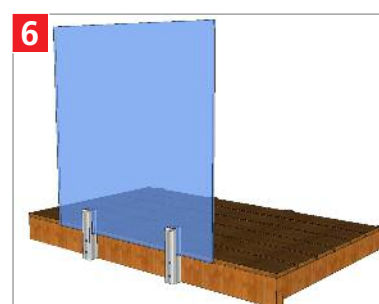
**3** Drill M8 holes (as per figure 2) to suit glass spacing.



**4** Bolt Mini Posts through timber and into rods using stud connectors provided. Fix rods through deck perimeter/rim joist and secure using nuts and washers provided. When fixing rods through deck noggins the noggins must be fixed securely to adjacent joists using suitable corrosion resistant timber to timber connectors such as those manufactured by Simpson Strong-Tie.



**5** Install glass support then stainless steel plate and neoprene into place using soapy water



**6** Finally tighten Mini Post grub screws to 1Nm maximum and once glass is positioned as required undo each in turn, apply thread lock glue and re-tighten. Do not overtighten the glue screws.

Note: All screws and bolts should be checked after 1 month and thereafter every 6 months to ensure that they have not loosened.

Any glass delivered should be inspected and signed for. Any glass refused due to breakage/damage will be replaced. Any glass signed for and then subsequently damaged will not be replaced other than via a replacement order and payment.

# INSTALLATION GUIDE

## Enquiry/Order form for Glass Balustrade

Product	Panel Length mm									
	Panel 1	Panel 2	Panel 3	Panel 4	Panel 5	Panel 6	Panel 7	Panel 8	Panel 9	Panel 10
900mm high glass										
1100mm high glass										
Number of mini-posts (per panel)										
	Cut to Panel length?			or number of 3.0m lengths						
Handrail										
	Number of									
Hand End Caps										
Hand corner joints 90°										
Hand corner joints articulated										

Please draw/sketch a plan (bird's eye view) of how the panels (please number each) listed above are going to be aligned:

Type of structure: \_\_\_\_\_

(ie deck, swimming pool surround.....) \_\_\_\_\_

Structure made from/attaching mini posts to? \_\_\_\_\_

Contact details

Name \_\_\_\_\_

Site location \_\_\_\_\_

Date required \_\_\_\_\_

Signed (applicable at order stage only) \_\_\_\_\_