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INSTALLATION OF ULTRA GLASS MODULAR POOL FENCING

NB: It is mandatory for all glass panels to be installed into a concrete footing at least 400mm deep x 350mm wide to withstand wind loading, on both In-Ground and "D" Clamp Systems.

1) In-Ground:

a) In Concrete:

- i) Form a channel into concrete 100mm deep x 50mm wide, allowing for the base of the channel to be reasonably level.
- ii) Install pieces of timber (+/- 10mm thickness x +/- 500mm apart) to bottom of channel on which to place glass modules.
- iii) Pack up or down to get the top of the glass modules exactly level.
- iv) Support the glass modules with timber supports to keep them in an upright position and exactly vertical.
- v) Where slight bowing of glass is experienced, fit wedges to sides of glass at base to straighten panels.
- vi) Pour non-shrinkable grout (Sika 212) into channel up to the desired level and allow to set.
- vii) Remove the timber supports once the grout has set.

b) In-Ground Directly:

- i) When glass modules are installed in-ground directly (with no concrete slab), a concrete footing 400mm deep x 350mm wide is to be laid to support the glass panels.
- ii) Thereafter, install as per option a) above.

2) Seamless “D” Clamp System. (Above-Ground).

a) In-Ground Spiggot:-

- i) Ensure that adequate concrete footings are in place to withstand wind loading.
- ii) Mark out exactly where the spigots are to be installed, ensuring that the centres correspond with the centres on the glass panels, and all levels are correct.
- iii) Core-drill a hole 55-60mm in diameter x 80-100mm deep to accept the base of the in-ground spiggot.
- iv) Fill the hole $\frac{1}{4}$ to $\frac{1}{2}$ full with “Sika Epoxycrete S” 2 pot epoxy and install the spiggot until the base of the threaded section is level with the surface and the epoxy oozes out.
- v) Clean off excess epoxy and allow it to cure.
- vi) Screw on top section of the “D” clamp to required height.
- vii) Install the glass panel into the “D” clamp.

b) Bolt-Down Spiggot:- (To Concrete or Tiled Area)

- i) Ensure that adequate concrete footings are in place to withstand wind loading.
- ii) Mark out spiggot centres as in a) above.
- iii) Mark holes off Bolt-Down Spiggot Base.
- iv) Drill holes to accommodate M10 sleeve anchor bolts.
- v) Install anchor bolts into Sika Epoxycret S as outlined in a) above, and allow to cure.
- vi) Fit base of Bolt-down spigots to anchor bolts and fasten down with nuts or dome nuts.
- vii) Install top section of “D” clamp and glass as in a) above.

c) Bolt-Down Spiggot:- (To Timber Decking).

- i) Mark out centres and mark off holes from Bolt-Down Spiggot Base as in b) above.
- ii) Fix base of Bolt-Down Spiggot to joist of timber deck with 10 x 100mm Coach Screws, or drill through joists and fix with bolts using 50x50mm square washers on underside of joist. Secure nuts.
- iii) Install top section of “D” clamp and glass as in a) above.

Use ONLY 316/AH Stainless Steel anchor bolts, coach screws, bolts, nuts and washers.