



Dimension One Glass Fencing

DIY Installation Kit
www.dimension1glass.com.au

SEMI-FRAMELESS GLASS FENCING INSTALLATION

SETTING OUT

Setting out is the most important stage of installation as it determines the position of each panel & ensures that the glass is installed at the correct height, with the appropriate spacing between panels. Due to its nature, glass fencing cannot be cut down to size so it is vital you correctly calculate what panels you require.

Mark out either end of your fence line in chalk to create a line to work from, then string line the position to find the high and low spots of any fall. The minimum height is from 1200mm (recommended height should be 1220mm), marking the top of your posts. The maximum gap below the glass is 100mm, and gaps in-between panels should not exceed 50mm. Mark out your post centers.

CORE DRILLING

Core drilling directly through the finished pavers/tiles enables a professional and clean finish as well as accurate holes for the placement of the spigots or posts. This part of the installation process ensures a quick and clean installation.

Using a 65mm Core drill, go to a maximum depth of 120mm. and remove the cores and any debris carefully. If the posts are going into dirt then dig a hole at least 300mm x 300mm x 400mm deep. Fill with quick set or normal concrete and core drill when fully cured.





PUTTING THE POSTS IN PLACE

Place your post in the hole, and mark with pencil where it meets the top string line. Cut the post at this mark. Using a long level, level post and lock into place using wooden chocks. Once all posts are in place, double check they are level and in line and that all gaps are at correct spacing to receive glass panels. Cement posts into place. Once cement has cured remove all chocks being careful not to chip any paving.

POCKET FILLER

Now measure the distance down from the top of the posts to the required point at bottom of posts. Remember that the paving will be slightly undulating so the overall height will vary. Push in pocket filler and slide down until it is firmly touching your cement and mark at the corresponding spot. Now slide the rubber stopper into place, so the glass sits on this stopper when it is in the posts. Make sure you have your coverings placed on each post.

GLASS FITTING

Slide the glass into place. It is best to use two people for this. When you have one piece of glass in place, check the height and adjust if necessary and then insert the glazing rubber on either side of the glass to keep it secure. For the gate, the glass needs to be secured into the gateposts to ensure the posts and glass does not move. Apply silicon so that it fills the gap completely behind the glass into the post channel, but leave enough room for the glazing rubbers to fit. If silicon does ooze out, spray soapy water on surrounding surfaces so the silicon cannot spread. Let these posts fully cure before fitting the gate. Fitting the gate will require two people. Attach hinges and latch to the gate.

BRACING

Using silicon, glue the post caps on and let cure overnight. Brace the fence with plywood frames to keep the fence secure as it sets. Once the fence has set, bracing is removed. The gate is tensioned & adjusted. The site is cleaned and the glass is washed down. The result is your modern, stylish and robust new glass fence.





FRAMELESS GLASS FENCING INSTALLATION

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ATTACHING SPIGOTS

Lay the glass on stands horizontally. At no stage should the glass touch the metal of the spigot, so ensure the rubber inserts and the plastic packer are positioned and in place before the spigot is tightened using an Allen key. Check that the spigot has been attached straight by using a small spirit level or a setsquare. Fasten and lock spigot into position. Place the dress ring on the correct way up and tape into position, preventing the cover plate from falling off when you stand the glass panel into position.

INSTALLING GLASS

Place small blocks of timber, preferably 50mm high, on the outside of each hole for the glass to rest on. Lifting the panel, line up your spigots with the holes and gently lower the panel down. The bottom of the glass should rest on the timber blocks. If the glass does not touch these blocks your holes are not deep enough. Once the panel is at the correct position you are able to lean the panel to one side and install the rest of the glass. For the gate, use timber blocks to rest the gate on, position the gate so the holes in the hinges line up with the holes in the hinge panel and attach the hinges first. Attach the gate latch after, and tension hinges.

BRACING

Using timber, clamp the tops and bottoms of the glass panels next to each other. This process ensures that the glass panels are correctly in line with each other. Before locking off your bracing, double check that the panels are straight with a spirit level and all glass panel heights are correct.

GROUTING

Pour the grout so it fills up the entire hole, and clean up any spillage on the spigots. Allow to cure for 3-5 days before removing the bracing. Once bracing is removed the site is cleaned and the glass is washed down. The result is your modern, stylish and robust new glass fence.







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See the difference. See through it.