

Installation Process



Step 1: Fixing

- Layout Danley Dowel locations on the timber forms by marking the slab centre line and Diamond Dowel centres.
- Fix the Danley Dowel sleeves by using the two nails included.



Step 2: Pour

- Pour the concrete to flow around the Danley Dowel sleeves.
- Use a poker vibrator to compact the concrete around the Danley Dowel sleeves. Avoid contacting the sleeve with vibrator shaft.



Step 3: Strip

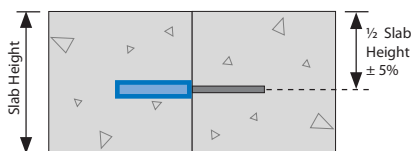
- Strip the timber forms by starting at one end.



Step 4: Install

- Install the Danley Dowel plates into the sleeves by puncturing the label using the corner of the plate.
- Danley Dowel plates should be installed within 24 hours from concrete placement for easiest installation.

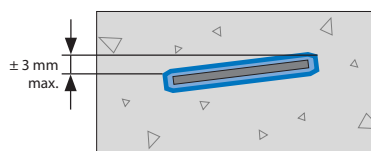
Installation Tolerances



Scenario 1

Location = $\frac{1}{2}$ x slab thickness $\pm 5\%$ e.g. for 200mm thick slab, location is 100mm ± 10 mm from top of slab.

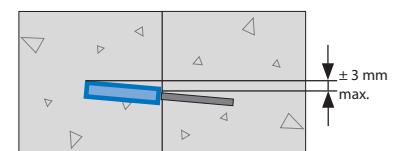
This positions the dowel in the most effective location in the concrete, maximising shear load transfer.



Scenario 2

Parallel to top of slab - one end of the nailing plate to be no more than 3mm higher than the other end.

If the dowel is severely misaligned parallel to the top edge of the slab, the dowel would restrict the slabs from moving parallel (i.e. laterally) to each other.



Scenario 3

Perpendicular to the face of the dowel joint - the top of the sleeve at the apex should be no more than 3mm higher or lower than the face of the sleeve behind the nailing flange.

This kind of misalignment is normally considered to be worst case as this restricts joint opening during concrete curing.