

# POST SUPPORT CONSIDERATIONS



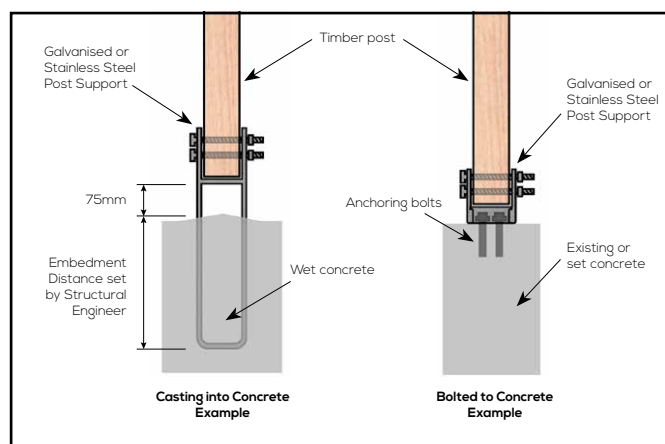
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Images and Projects (L-R): Cincotta Built, All Aspects Carpentry, Devil Decks, Nautical Carpentry

If you are considering installing timber posts (often in the construction of decks, pergolas, carports and similar), reasons for the use of post supports are below and online at: [vuetrade.com/post-supports](https://vuetrade.com/post-supports)

Depending on the load and dimensions of the structure, footing requirements and measurements will vary. These requirements include the depth and diameter of each individual footing and the distance between them. All of this information is available in Australian Standards AS1684 and AS2870, and a structural engineers advice for appropriate footing will be indispensable.



## Benefits of Post Supports

### a) Timber Decay Prevention

Post Supports create a gap between the timber end and the concrete, which prevents moisture from the ground directly contacting the timber. Consistent wetting and drying of timber without adequate preventative measures can lead to rot, which in turn can lead to a shorter lasting timber structure.

### b) Easy installation process

Especially when there is existing concrete where the timber structure will be build, there is generally only a need to install anchoring bolts into the concrete base to secure.

Casting in a post support is as simple as aligning it correctly and temporarily securing until the concrete is cured.

### c) Termite inspection compliance

For locations prone to termite activity, a 75mm clearance between timber and ground allows for easier inspection and is required by Australian Standards to mitigate termite activity and damage.

## Post Support Anchoring Methods

### a) Casting into wet concrete

The embedment depth and each post location should be determined by a Structural Engineer, who will use the relevant post support technical data sheet to calculate the dead and uplift loads. The type of concrete used, along with the aggregate ratio also play a part in embedment depth requirements.

### b) Bolt down onto existing concrete

If the site already has a concrete base, bolt down post supports allow for a strong connection to ground, and are secured by anchoring bolts. The concrete type and quality may vary for each site, and the Structural Engineer will advise on locations of installation and most suitable post support type.



See the full range of post supports in both Hot-Dipped Galvanised or Stainless Steel at [vuetrade.com/ps](https://vuetrade.com/ps)

