About Us

Concrete Sleepers Sydney is a Sydney based retailer for Outback sleepers Australia. We supply high quality concrete sleepers, Under Fence Plinths (UFP's) & step kits to both the trade and public throughout the whole of Australia.

Concrete Sleepers Sydney provide our customers with the highest quality concrete products in terms of appearance, strength & durability when constructing their retaining walls, providing the highest level of customer service.

With a wide range of colours & designs Concrete Sleepers Sydney allows you to add distinction to your landscape design through your retaining wall whether it be the classic 'Cove' sleeper to brighten up your garden or the original and best 'Kensington' sleeper for the new & modern Australian home.

Concrete Sleepers Sydney ensure the latest technology is used to manufacture our products and the manufacturer is continually improving & updating the manufacturing procedures & processes so that all our products are made to high quality standards, surpassing Australian industry standards.

All our products are 60MPa concrete, with the exception of UFP Lites which are now 50MPa, to provide our customers with the strongest concrete sleepers on the market.
ASHWOOD

MCLAREN
We are also a retail seller for Perma Steel Fencing, an Australian manufacturer of quality Australian-made fencing.

With its modern slimline post and rail profile and the unique “neighbour friendly” sheet design, PermaSteel fencing looks great from both sides and every angle.

All PermaSteel fencing is made in Australia and has a 10-year warranty*
PERMASTEEL COLOUR GUIDE

All Perma Steel fences are coated with a Regular Modified Polyester paint system developed by one of the world’s largest industrial paint producers. Perma Steel is available in various colours.

Colours represented are indicative only*

*PermaSteel rails and sheets are both protected by a special ALLOY/ZINC coating to provide longer lasting protection in the harsh Australian weather.
1. **HOW TO DETERMINE HOLE CENTRE DIFFERENCE**

- Set pegs at each of the retaining wall site & connect with a string line to give the required alignment.
- Holes should be dug at 2010mm centres for 2.0m sleepers & 2410mm for 2.4m sleepers.
- A similar allowance of 10mm can be used for other lengths.
- Hole diameter must be at least 450mm for a 1m high retaining wall.

**NOTE:** Walls greater than 1m require council approval & site specific engineering.

2. **POST HOLES**

- The post holes for a 1m wall must be dug 1100mm deep.
- Place steel in the hole & concrete (ensuring that post tops are the same height)
- **DO NOT OVERFILL HOLES**

3. **STRING LINE**

- With string line still in place, check the alignment of all posts with a spirit level.
- Re-Check distance between posts.
- This can be done with a tape measure or a piece of cord cut at 2010 or 2410.
4 SLEEPERS

- Ensure concrete has cured overnight.
- Place first sleeper between posts, then check measurement from top of this sleeper to the top of each post.
- Use fibro-cement sheeting for packaging under bottom of sleeper to adjust to the height then install the rest of the sleepers.
- Check the measurement from top of the post to sleeper as you go.

NOTE: WEDGES / PACKERS

It's good practice to make wedges from scrap timber to ensure that the sleepers are held against the front of the post.

5 DRAINAGE

- Once sleepers have been installed, place a plastic membrane (forticon) 75mm thick behind the wall & AG pipe or strip drain at the bottom (back) of the wall.
- Cover the pipe with 20mm gravel for drainage.

Note: Please ensure that during installation no equipment is to be driven over the backfill within 75% of the wall height. Compaction if any, within this area should be with non-vibrating hand equipment, weighing no more than 500kg per square metre of footprint. If greater compactions required please obtain engineering advice. Wall design shown are for ‘typical’ soil conditions. For walls over 1 metre you should seek independent engineering advice based on your specific site conditions.
Retain the life of your fence and fill the gap underneath your fence, post or rail fence by using an Under Fence Plinth (UFP) from Concrete Sleepers Sydney.

Prolong the life of the fence by preventing the steel (or other material) from sitting on the dirt & rusting.

Concrete Sleepers Sydney UFP’s are designed with the ends of the plinth recessed (from 50mm to 40mm thickness) to fit into a 50 x 50mm fence post.

UFP’s size available: 2340 x 200 x 50-40mm

1 INSTALL YOUR FENCE POSTS

Note: Install your fence posts as specified by the manufacturer. Concrete Sleepers Sydney recommends that the post be extended and the hole dug a further 300mm deeper than the fence manufacturers recommendations.

2 REMOVE BOTTOM RAIL

3 INSERT CONCRETE UFP INTO POSTS

4 REPLACE BOTTOM RAIL AS PER MANUFACTURER’S INSTRUCTIONS

5 REPLACE FENCE PANEL AS PER FENCE MANUFACTURER’S INSTRUCTIONS
COMPONENTS PER LAYER

Installation of a 600mm Step Components = 1.8m Wide in Opening

1. **First Layer**
   - Set steel at 1.8m opening (picture above)
   - First place sides into C channels
   - Then crib (cut as required)
   - Place the treads
   - Back fill under the steps

2. **Second Layer**
   - First place into C channels
   - Then crib (cut as required)
   - Place the treads
   - Back fill under the steps

3. **Third Layer**
   - Repeat instructions 1 & 2 until all step components are finished

4. **Finished**
   - 600mm HIGH STEP components 1.8m WIDE 3 high step assembly shown

**STEP COMPONENTS INSTALL GUIDE**

* Note:
  * It is not necessary to put steel at the back of the step component.
  * A concrete footing maybe required to keep steps level
  * Back fill steps as you install each layer to hold them in place.
SLEEPER LIFTERS
- This mechanical retaining wall sleeper lifter comes equipped with a lifting eye which can be attached to any excavator, crane, dingo or backhoe.
- Australian designed, engineered & manufactured with a max opening width of 140mm & a safe working load of 300kg.
- The Sleeper Lifters can be used to lift & lay a variety of concrete Sleepers or prefabricated products.
- Certified testing number NAS4599
- Fitted with polyurethane blocks that do not mark the concrete sleepers.

SPECIFICATIONS:
- Grip Range: 10-140mm
- Light Weight Clamp: 21kg
- Manual lock for easy release
- Replaceable polyurethane pads available
- Work Load: 300kg
- Dimensions: 540 x 390 x 180mm
- Long lasting polyurethane pads
- Certified testing number NAS4559

RETAINING WALL BRACKETS
- Made to suit 125 x 65 channel & 120UB65 & 150 x 75 channel 150UB14 I-beam (will fit to 100UC)
- The brackets are suitable for welding to the C channel I-beams of a concrete sleepers retaining wall when installing a ‘Good Neighbour’ or a ‘Post & Rail Fence’ on top.
Note: Walls greater than 1m require council approval & site specific engineering.

STEEL POSTS
- We Recommend 125 x 65 C Channels & 120 UB65 I-beams as a minimum
- Available in Galved
- Walls greater than 1m require council approval & site specific engineering
- We can also supply larger steel for your job. These are usually for walls that have been engineered & approved by council where the size & length of the steel will be stated on the engineering report.

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IMPORTANT INFORMATION

SPECIFICATIONS

Sleeper concrete grade is **60MPa**, UFP’s are **50MPa**

NO heavy mechanical compaction within 75% height of wall.

Sleeper specifications are only suitable for use with retaining walls which satisfy the following conditions/limitations.

- The wall is not subject to heavy surcharge loads for example, nearby existing retaining wall, structure, buildings with a distance equal to 2 times the wall height or placing a fence on a retaining wall.

- The final surface gradient above the wall is level or only slight - is less than 1 vertical rise in 10 horizontal.

- The wall backfill is free draining, Consisting of sand &/or gravel.

- All sub-surface water is drained by means of agricultural drain or other suitable method.

- Sleepers minimum end bearing length shall not be less that 25mm each end.

- Walls greater than 1m require council approval & site specific engineering.

SLEEPER SIZES*

<table>
<thead>
<tr>
<th>Size</th>
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<tbody>
<tr>
<td>1.5 x 150 x 85mm</td>
<td>Sawmill</td>
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<tr>
<td>1.8 x 197 x 80mm</td>
<td>Sawmill</td>
</tr>
<tr>
<td>1.8 x 200 x 85mm</td>
<td>Shattered Stone</td>
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<tr>
<td>2.0 x 200 x 75mm</td>
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</tbody>
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SLEEPER ENGINEERING SPECIFICATION

To comply with recent Australian Standards all concrete sleepers need to be **40MPa**

Concrete Complies with AS3600/2009
All reinforcing bar is ACRS Compliant
Engineered for wall heights to 4 metres
Concrete Sleepers Sydney sleepers are engineered Strong & Lighter

DELIVERY & PICKUP

TRANSPORT

- Dedicated delivery vehicles
- Forklift for site access
- Kerbside delivery
- Large load capacity for commercial customers

LOADING AREA

- Pickup available from Concrete Sleepers Sydney

Please Note:

We do not load cars, vans or caged trailers
CONTACT DETAILS

CUSTOMER SUPPORT & SALES
1800-960-656
www.concretesleepers.sydney
5 Lennox Pl, Wetherill Park NSW 2164

TRADING HOURS
Mon-Fri:  8:00am-4:00pm   Sat: 9:00am-1:00pm