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) and 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 the term of appearance, strength and durability when constructing their retaining walls whilst providing the highest level of customer service.

With the range of colours and 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 ‘Kensigton’ sleeper for the new and modern Australian home.

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

All our products are 40 MPa concrete, with the exception of UFP Lites which are now 50 Mpa, to provide our customers with the strongest concrete sleepers on the market.
BLACKWOOD

BRIGHTON
OUR VERSATILE AND ATTRACTIVE PRODUCTS WILL COMPLEMENT ANY GARDEN DESIGN. FROM ZEN GARDEN LANDSCAPING TO THE CLASSIC AUSTRALIAN HOME.

THE ONLY LIMIT IS YOUR IMAGINATION
SLEEPER INSTALLATION GUIDE

TYPICAL 1M HIGH RETAINING WALL

1. HOW TO DETERMINE HOLE CENTRE DIFFERENCE
   - Set pegs at each end of the retaining wall site and connect with a string line to give the required alignment.
   - Holes should be dug at 2100mm centres for 2.0m sleepers and 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 one metre high retaining wall.
   Note: Walls greater than 1m require council approval & site specific engineering.

2. POST HOLES
   - The post holes for a one metre wall must be dug 1010mm deep.
   - Use steel in the hole and concrete (ensuring that post tops are the same height).
   - DO NOT OVERFILL HOLES. Concrete should not exceed 1010mm from top of each post.

3. STRING LINE
   - With string line still in place, check the alignment of all posts with a spirit level.
   - Re-check distances between posts.
   - This can be done with a tape measure or a piece of cord cut at 2100 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 height then install the rest of the sleepers.
   - Check the measurement from top of the post to sleeper as you go.

5. DRAINAGE
   - Once sleepers have been installed.
   - Place a plastic membrane (forticon) 75μm thick behind the wall and 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 compaction is required please obtain engineering advice. Wall designs shown are for 'typical' soil conditions. For walls over 1 metre you should seek independent engineering advice based on your specific site conditions.
UNDER FENCE PLINTH (UFP) INSTALLATION GUIDE
UFP LITES 50MPa

- Retain the life of your fence and fill the gap underneath your ‘Good Neighbour Fence’ or ‘Post and Rail Fence’ by using an Under Fence Plinth (UFP) from Outback Sleepers Australia.
- Prolong the life of the fence by preventing the steel (or other material) from sitting on the dirt and rusting.
- Outback Sleepers Australia 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 sizes available are:
  - 2340 x 200 x 50-40 mm
  - 2340 x 100 x 50-40 mm (UFP Crib).

1. INSTALL YOUR FENCE POSTS
   
   Note: Install your fence posts as specified by the manufacturer. Outback Sleepers recommends that the post be extended and the hole dug a further 300mm deeper than the fence manufacturers recommendations.

2. REMOVE BOTTOM RAIL
   
   50 x 50mm Fence Post
   
   Remove bottom rail

3. INSERT CONCRETE UNDER FENCE PLINTH INTO POSTS
   
   50 x 50mm Fence Post

4. REPLACE BOTTOM RAIL AS PER FENCE MANUFACTURER’S INSTRUCTIONS
   
   Fence bottom rail

5. REPLACE FENCE PANEL AS PER FENCE MANUFACTURER’S INSTRUCTIONS

   Good Neighbour Fence

   Concrete Under Fence Plinth (UFP)
   2340 x 200 x 50mm
   50MPa

AVAILABLE IN:

- LONSDALE UFP (GREY)
- BLACKWOOD UFP (CHARCOAL)
- BRIGHTON UFP (SANDSTONE)
STEP INSTALLATION GUIDE

COMPONENTS PER LAYER

2 X SIDES 1 X CRIB 2 X TREADS

LENGTH OF SIDES ALWAYS 2M

400mm 2 High
600mm 3 High
800mm 4 High
1000mm 5 High
1200mm 6 High
2000mm 2000mm 2000mm

1.8m opening + 200mm = 2.0m
2.2m opening + 200mm = 2.4m

1800 OPENING

SLEEPER WALL

C Channel

STEP COMPONENTS INSTALLATION GUIDE

1. FIRST LAYER
   - Set steel at 1.8m opening (as per picture above).
   - First place sides into C channels.
   - Then Crib (cut as required).
   - Then place the treads.
   - Back fill under the steps.

2. SECOND LAYER
   - First place sides 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.

INSTALLATION OF A 600mm STEP COMPONENTS = 1.8m WIDE IN OPENING

* 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.
Retaining Wall Brackets
- Made to suit 125x65 channel and 120UB65 I beam and 150x75 channel 150UB14 I beam
- The brackets are suitable for welding to the C channel and I beams of a concrete sleeper retaining wall when installing a 'Good Neighbour Fence' or a 'Post and Rail Fence' on top

Note: Walls greater than 1m require council approval & site specific engineering

Steel Posts
- We recommend 125x65 C Channels and 120 UB65 I beams as a minimum
- Available in Galved or Primed
- Walls greater than 1m require council approval and site specific engineering
- We can also supply larger steel for your job. These are usually for walls that have been engineered and approved by council where the size and length of the steel will be stated on the engineering report

Sleeper Lifters are available to purchase from Outback Sleepers Australia

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 and manufactured with an max opening width of 140mm and a safe working load of 300kg
- The Sleeper Lifters can be used to lift and lay a variety of concrete sleeper or prefabricated products
- Certified testing number NAS4599
- Fitted with polyurethane blocks that do not mark the concrete sleepers

Specifications:
- Grip range: 10 - 140mm
- Work load: 300kg
- Light weight clamp: 21kg
- Dimensions: 540 x 390 x 180mm
- Manual lock for easy release
- Long lasting polyurethane pads
- Replaceable polyurethane pads available
- Certified testing number NAS4599
IMPORTANT INFORMATION

SPECIFICATIONS

Sleeper concrete grade is **40MPa**, UFP’s are **50MPa**

NO heavy mechanical compaction within 75% height of wall

These 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 within a distance equal to two times the wall height or placing a fence on a retaining wall.
- The final surface gradient above the wall is level or only slight - ie 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 an 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>
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<tr>
<th>Size</th>
<th>Description</th>
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<tbody>
<tr>
<td>2.0 x 200 x 75mm</td>
<td>Standard (STD)</td>
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</tr>
<tr>
<td>2.4 x 100 x 90mm</td>
<td>CRIB</td>
</tr>
</tbody>
</table>

**SLEEPER ENGINEERING SPECIFICATION 40MPa**

To comply with the recent Australian Standards all concrete sleepers need to be 40MPa (currently 32mpa)

Concrete Complies with AS3600/2009

All reinforcing bar is ACRS Compliant

Concrete Sleepers are engineered Stronger and Lighter

**DELIVERY AND PICKUP**

**TRANSPORT**

- Dedicated delivery vehicles.
- Forklift (Manitou) for site access.
- Kerbside delivery.
- Large load capacity for commercial customers.
- Metro & Country delivery is available.

**LOADING AREA**

- Pickup available from Concrete Sleepers Australia.
- Our loading areas can accommodate vehicles with trailers right up to B-double trucks.

**Please Note:**

We do not load cars, vans or caged trailers.

**ADDING DISTINCTION TO YOUR LANDSCAPE DESIGN**

- Concrete Sleepers offers the highest quality concrete retainingwall sleepers and UFP’s.
- Sleepers are engineered for wall heights to 4 metres (engineering specifications for concrete sleepers are available on request).
- From large civil works projects, to landscaping works and small retaining walls, Concrete Sleepers Australia has designs to suit every taste and budget.
- As a local manufacturer we offer fast turnaround, large quantities of stock and efficient delivery service to site.

With a network of long term valued contractors, Concrete Sleepers Australia have the industry reputation to match and can recommend wall builders suitable for any installation.

Sleeper colours may be marginally different to the images in this brochure.

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