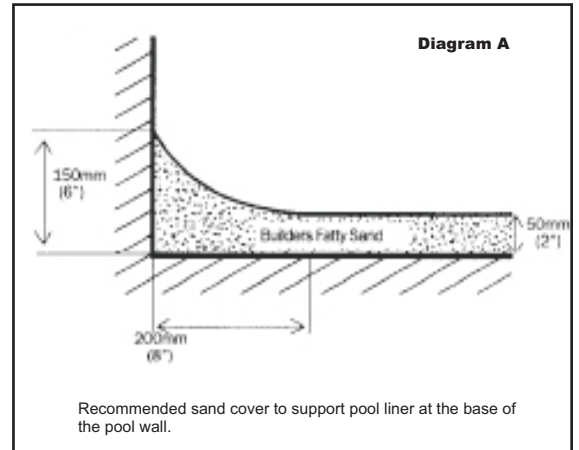


# Above Ground Swimming Pool Liner INSTALLATION INSTRUCTIONS

## Preparing Your Pool Site

To make sure your new ABGAL liner fits well and looks great, you must prepare the pool before starting to fit the liner. Make sure you have a good sand base. If you suspect that Nut Grass is present on the pool site, a suitable poison should be used liberally over the entire pool area. The sand base should be 50mm (2") deep over the entire floor of the pool, then it should form a cove all the way around the wall of the pool at least 150mm (6") high. (See diagram A). This cove prevents the liner from being forced out underneath the wall of the pool and causing damage.

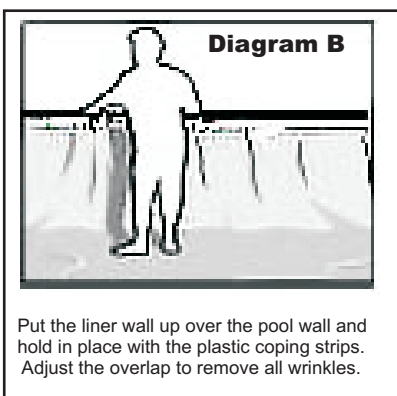
Step 1. Smooth and spread the sand using the back of a garden rake or you can use a 1500mm (5') piece of timber as a screed. You may find the sand easier to work if it is damp. When the sand floor in the pool is completely smooth, compact it by tamping or rolling. Finally you can use a fine broom to remove any compaction marks and give a good, smooth finish.



Step 2. Clean down the walls of the pool to ensure that any sand and metal filings etc. are removed to prevent any damage to the liner. Using a PVC insulation tape (or similar), tape over the wall join bolts on the inside wall of the pool. For best results, a ground sheet (eg. black plastic) should be placed between the sand and the liner. This can be secured to the pool wall above the sand cove with tape. Remove the top copings from the pool (if applicable to your pool only, most smaller pools have a small round metal capping that should not be removed). Also tape over any sharp edges of the metal capping before the liner is fitted.

## Fitting your ABGAL Pool Liner

Step 1. Carefully unpack your liner from the carton. Do not use any type of knife or sharp object to open the box. With one or more people inside the pool, pass the liner into the pool and place it adjacent to one end (in the shallow or narrow end if applicable). Take care when handling the liner as sharp objects, even shoes, may damage it.



Step 2. Unroll the liner toward the other end of the pool and gently open it out making sure you do not disturb the level of the sand. The shiny side of the liner is the back which is placed against the sand, while the embossed side will hold the water. Spread the liner so that the wall-to-floor seam lies evenly (about midway) on the coving around the edge of the pool. Place the top edge of the liner over the wall of the pool by about 150mm (6") starting at each end first then at either side (see You may need to use clothes pegs at this stage to hold the liner in place. On some pools the liner may appear to be too small in the perimeter. This can be adjusted by evenly tensioning the perimeter of the liner as you place the top edge over the wall of the pool.

Check that there are no diagonal wrinkles in the wall of the liner as these indicate either an uneven overlap or the wall is not square with the bottom.

This can be easily adjusted by moving the top of the liner in either a clockwise or anti-clockwise direction until all wrinkles disappear. Now check that the seams on the floor of the liner are running straight and that the base of the liner is flat with all the large wrinkles removed.

Step 3. There are 2 methods for removing the remaining wrinkles in the liner, by hand or by vacuum. These are detailed over the page. Please note: **If your pool has a deep end, you must use the vacuum method.**



## Hand Method

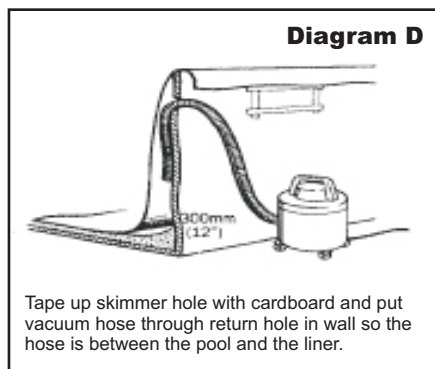
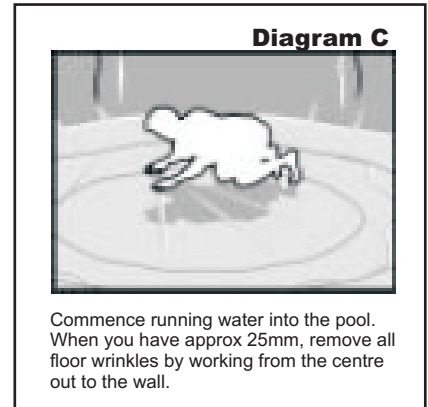
Place a garden hose in the pool and be sure to remove any fittings that could damage the liner. The person fitting the liner should get into the pool just prior to fitting, as the liner can be slippery when it has a small layer of water on it. Start filling the pool until you have 25mm (1") of water over the entire floor. Now turn the hose off. Work out all the wrinkles in the floor by starting in the centre of the pool on your hands and knees (Diagram C).

Gently push the wrinkles out in a circular motion, gradually moving all the surplus liner material to the edges of the pool. **IMPORTANT:** If there is more than 50mm (2") of water on the liner, it will be almost impossible to move any wrinkles and persistence may cause damage to the liner.

Once you are happy there are no wrinkles on the floor, adjust any surplus liner material over the edge of the pool and continue filling the pool until the water is 150mm (6") deep (or until it is 50mm (2") above the cove). Remove the slack from the wall of the liner, section by section. The wall of the liner should not have any horizontal or diagonal wrinkles in it.

**DO NOT OVER-TENSION THE LINER.** Liners are designed to fit snug without any excess tension.

Secure the liner with the coping sections (as per your pool manufacturers instructions) and continue to fill the pool to 300mm (12") deep. At this stage you need to check the tension of the liner around the perimeter of the pool and if necessary remove the sections of coping near the affected area and release the tension.



## Vacuum Method

Tape over the skimmer opening with a suitably sized piece of cardboard and masking tape. Place the hose of a vacuum cleaner (a Wet & Dry type is ideal) through the return hole in the wall of the pool until it is 300mm (12") above the sand. Tape around the hose at the wall to make it seal. (Diagram D). Double check that the liner has no large wrinkles or surplus material and make sure it is secured by the plastic strips. **IF THE POOL IS A DEEP END STYLE, OR THE LINER APPEARS TO BE TIGHT, PLACE THE TOP RAILS ON THE POOL BEFORE SWITCHING ON THE VACUUM CLEANER.** When the vacuum is turned on, you'll see the liner start to suck down to the walls. As it sucks down, continually work the wrinkles out toward the edge of the

pool. You may have to switch the vacuum off to adjust the tension of the liner a few times - this is quite normal. Once you have the liner vacuumed out and ALL the wrinkles removed, start filling the pool with your garden hose. Make sure any fittings on the hose are removed or protected so they do not damage the liner. **LEAVE THE VACUUM CLEANER RUNNING UNTIL THE POOL IS 300mm (12") DEEP.** Now you can turn the vacuum off. Carefully remove the vacuum hose from the wall of the pool, making sure you get all the tape off and do not allow any to fall in behind the liner. Remove the cardboard from the skimmer with the same care also.

## Connecting the Filter

When connecting your filtration system through the liner, it is important that there is at least 300mm (12") of water over the floor of the pool, (but no more than 150mm (6") below the filtration opening).

Step 1. As per your manufacturers instructions, fit the skimmer box onto the wall of the pool by placing one gasket on the outside of the wall and the other between the liner and the escutcheon plate (plastic face plate). It is advisable to use a clear silicone sealant on all faces for a positive sealing.

Step 2. Secure the escutcheon plate in place with the screws provided with the skimmer box. When secure, neatly and carefully trim the liner material from the skimmer opening with a sharp knife.

Step 3. To fit the pool return, cut a hole in the liner about 10mm (3/8") smaller than the hole in the wall of the pool. Fit the return fitting through the wall using a gasket or silicone sealant on each side of the wall. Tighten the fitting firmly to ensure there are no leaks.

Step 4. Connect the rest of the filtration (if required) then fill your pool to the desired operating level (usually half way up the skimmer opening). Now, chemically balance your pool water before using the pool.



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