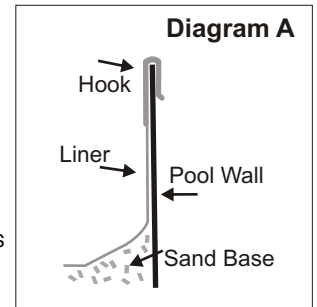


How to install a 'Hung' ABOVE GROUND POOL LINER

How is a Hung Liner different to a standard liner? If you look at your liner you will see that it has an extended PVC hook welded along the top of the wall. This hook simply clips over the top of the pool wall. (See Diagram A). Hung liners are extremely easy to install, but the base preparation is very important.

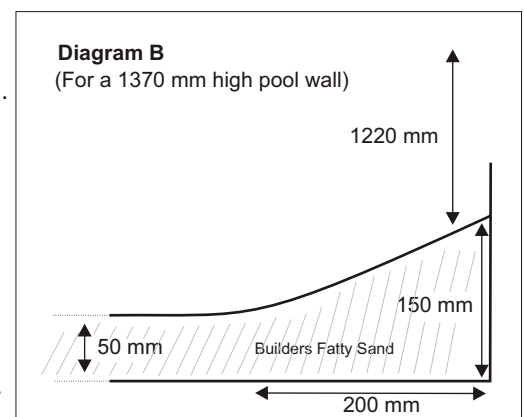
Before you start, ensure that the pool site is free of sharp objects and weeds. If you suspect Nut Grass may be present, spray a suitable poison over the area, and wait until weeds are dead before starting installation. If you must spray and install on the same day, a sheet of builders plastic should be used between the grass and the sand base, and care taken not to allow the liner to come into contact with any chemical residue. Installation requires 2-3 people, and people should work in socks or bare feet when walking on the liner. Do not let pointed objects touch the liner - even sharp toenails could cause problems.

Because your new liner has been made to an exact height (from the top of the pool wall), it is imperative that the pool base is properly prepared at the correct height - this guide has been produced for a standard 1370 mm high pool wall. If your pool wall is not 1370 mm high, you will need to adjust the height of the sand base to suit. Preparing a sand base that is too high or too low will result in a poorly fitted liner, and may cause irreparable damage or wrinkles, so please follow the pool manufacturer's guidelines exactly.



If your pool manufacturer has not supplied detailed instructions on preparing the sand base, the following should be used as a guide.

A sand base is prepared using (damp but not wet) Builder's Fatty sand. (Do not use coarse sand as it can damage the liner). It can be spread using the back of a rake or a timber screed. This base layer should be 75mm high, (50mm once compacted) over the entire floor of the pool. You also need to create a cove 200 mm high (150 mm once compacted) around the wall, gently sloping back to 50 mm over a 200 mm distance from the wall. (Diagram B). This cove stops the liner being forced out underneath the Wall of the pool and causing damage. Once the sand is completely level, it should be smoothed then compacted tightly by tamping or rolling. Use a fine broom to remove any compaction marks and give a good, smooth finish.



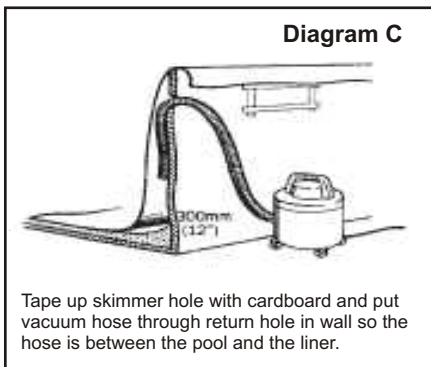
Next, ensure the walls of the pool are clean, and free from sand or metal filings etc. Using a PVC insulation tape (or similar), tape over the wall join bolts on the inside wall of the pool. For best results, a ground sheet (eg. black plastic) should be placed between the sand and the liner. This can be secured to the pool wall above the sand cove with tape.

Fitting the actual liner

1. Do not use any type of knife or sharp object to open the box. With one or more people inside the pool, carefully remove the liner from the box, and pass it into the pool. Place it in the shallow or narrow end (if applicable).
2. Unroll the liner toward the other end of the pool and gently open it out making sure you do not disturb the sand. The shiny side of the liner is the back (placed against the sand), while the printed or 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.
3. Starting by carefully bringing the top of the liner to the top of the pool wall, and loop the hook over the pool wall. Simply work your way around the pool, gently lifting and fitting the hook over the edge. You may need to temporarily remove and replace the top deck as you go along to support the pool wall. (You can also use clothes pegs to help hold the liner on the top of the wall). Sometimes the liner may appear tight or loose around the perimeter of the wall - if this happens, stretch or gather the wall to give an even fit.



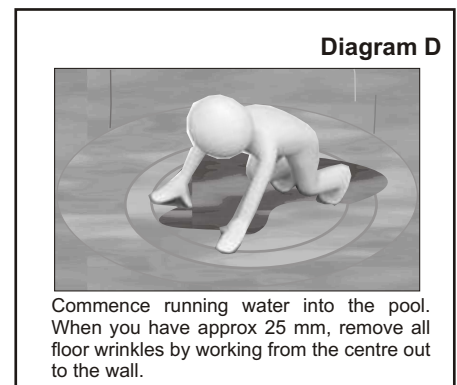
4. Check that there are no diagonal wrinkles in the wall of the liner as these indicate that the wall is not square with the bottom. This can be adjusted by moving the top of the liner in either a clockwise or anti-clockwise direction until all wrinkles disappear. Once all floor seams are running straight and that the base of the liner is flat with all the large wrinkles removed, it is time to vacuum the liner into place.



Using a vacuum cleaner is the recommended way to seal the liner into place, and is essential when fitting a deep-end liner. 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 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 create a seal. (Diagram C). Double check that the liner has no large wrinkles or surplus material and make sure it is secured firmly. **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 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. Also remove the cardboard from the skimmer with care.

If you do not have access to a vacuum, it can be done by hand, although this method is not suitable for deep-end pools. To use the hand method, place a garden hose in the pool (be sure to remove any fittings that could damage the liner). The person fitting the liner should get into the pool just prior to filling, 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. 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 diagonal wall wrinkles by moving the top of the liner and continue filling the pool until the water is 150mm (6") deep (or until it is 50mm (2") above the cove). The wall of the liner should not have any horizontal or diagonal wrinkles in it - if it does, move the top of the wall to remove them.

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 the manufacturer's 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). If you wish to use a silicone sealant for a positive sealing, ensure you use a clear, neutral (or natural) cure silicone.

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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