

# IN-GROUND LINER INSTALLATION

## RECOMMENDED ITEMS NEEDED FOR INSTALLATION

Items needed include: screwdriver, sharp nail or ice pick, water tubes, tamping tool, staple gun (if installing an overlap liner), industrial vacuum or household vacuum (filter bag removed), utility knife, 2" gray duct tape with non-asphaltic adhesive, masking tape or rags, garden hose, broom, possibly gaskets and gasket cement.

## PREPARATION OF POOL

1. Remove old liner.
2. Remove all debris from inside pool and around deck.
3. Standing water must be removed from the bottom of non-porous pool shells.
4. Inspect pool shell for irregularities. Make repairs if necessary.
5. Using duct tape, cover all seams and sharp edges of pool shell. If pool walls are rusty or splintered, use protective wall foam.
6. If the pool bottom is sand, it should be dampened, leveled and tamped. For best results, liner should be installed while sand is still damp.
7. Proper installation requires at least four people.

## LINER PREPARATION

1. Placement of the liner should be done from the deck of the pool to avoid making marks on the pool bottom and possibly puncturing the liner.
2. Place the liner in the middle of the deck on the deep end of the pool.
3. Remove the liner from the carton and unfold across the width of the deep end.
4. The liner should now be positioned so the top section marked "WADER" is exposed.

## LINER INSTALLATION

1. Pull top section marker "WADER" toward the shallow end.
2. Lower the liner into the pool, taking care that the top corners do not fall into the pool shell.
3. Corners should be tight against the sidewall. Verify that the hopper portion is in the deep end and the shallow portion is in the shallow end. Also make sure the liner is right side up.
4. Locate the exact position of the corners on the beaded liner. Each corner is marked on the underside of the liner sidewall near the top directly above the bottom corner. Both the top and bottom corner must be positioned in the middle of the shell corner.

(Continued on other side)

5. Insert the liner beading into the locking channel corner pieces. You must insert the beading with finger pressure in order to prevent liner damage . Do not use tools or sharp objects to perform this operation.
6. After corners are locked into position, move to the center of either sidewall or endwall. Start inserting the bead into the receiving channel working toward the corner.
7. Once complete, double check all corners to see that they remain in the proper position.
8. Continue by gently easing the liner so that the bottom fits exactly into the shell. The bottom should be flat without any excessive folds. Complete as much of this operation as possible from the deck, as it is possible to indent footprints into the floor. Never wear shoes in pool.
9. In order to hold the liner in position during the next step, place water tubes in the shallow end at the point where the sidewalls intersect the bottom. Also place water tubes around the bottom rise of steps if your pool is so equipped. This will assure a professional fit and reduce the possibility of liner damage due to overstretch.
10. To remove air from behind the liner, which prevents wrinkles, loosen 6" of beading from the locking channel within 12" from any corner. Insert a vacuum cleaner hose behind the liner until it reaches the bottom of the sidewall. To minimize vacuum loss, seal the opening around the hose. This may be done by using either masking tape or wet rags. Any accessible openings, such as skimmers or water inlets on new excavations, can be sealed off with cardboard and masking tape to increase the efficiency of the vacuum.
11. Turn the vacuum cleaner on. It will normally take 20 to 30 minutes before the suction will draw the liner into place. While the vacuum is running, you should be adjusting the liner with short tugs to eliminate wrinkles. If you have trouble shifting the liner into position, shut the vacuum off for a few minutes. You should then be able to adjust the troubled area before continuing with the vacuum. Do not start filling with water until the liner is in perfect position.
12. Once the liner is positioned properly, begin adding water with a garden hose while the vacuum is still running. Water should be turned on gently in the deep end first. Once the water begins to accumulate in the deep end, the water pressure can be increased.
13. After 8" - 12" of water have been added to the deep end, it is necessary to install the main drain face-plate. With your hands pressing on the liner at the main drain opening, locate the screw holes and puncture them with a sharp nail or ice pick. Install the top gasket of the face-plate making sure that the face-plate is screwed tightly in place. Do not cut out the opening until plumbing lines have been installed.
14. Continued filling the pool and working out the wrinkles. The vacuum cleaner should also continue to run until water level nears the top. Make sure to keep vacuum cleaner hose above the water level at all times.
15. Remove water tubes when water level reaches 6" in the shallow end.
16. Do not install face-plates, inlets, light fixtures, etc. until water reaches 3" below the opening. Premature installation might result in the liner tearing away from the opening due to stretching as the water level increases.
17. Proceed filling pool until water reaches desired level.