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### How to ensure the beauty and enjoyment of your swimming pool liners for years to come.

To ensure that your swimming pool liner remains a thing of beauty. We have listed below a guide line to help your pool liner survive the extremes of nature, sun, heat, pool chemicals and the harshest conditions of winter even down to -20°.

#### LINER CARE AND MAINTENANCE

The specially formulated vinyl gives extended protection against biological growth. However, most swimming pool liner problems are due to a misuse of chemicals, either too much or too little. For the proper chemical balance, your dealer (Aqua-Blue Pools...of Coarse) can provide you with detailed test to measure the chemicals in your pool water. It is recommended to bring a water sample into the store each month for testing to ensure the water is balanced. Be certain to leave the pump and filter running continuously after adding any chemicals, especially the shock treatment. (most liner damage is caused by shocking the pool and not allowing the pump to circulate for 2-3 days continuously. If the pump is on a timer, make the effort to disable this function for at least 2 or 3 days). Chlorine may settle in the deep end and bleach the liner and/or causes wrinkles if not allowed to blend with the pool water. It is all so recommended to leave the solar blanket off the pool for several days after shocking.

#### THE pH CHECK

pH is the measure of acidity/basicity level in your swimming pool. A proper pH level (7.2 to 7.6) not only increases human comfort, but also helps chlorine clean your pool better, because chlorine needs a certain pH level to kill bacteria and algae.

#### THE WATER STABILIZATION CHECK

All vinyl pools must be routinely stabilized in a range between 25 ppm and 50 ppm. A level of less than 50 ppm combined with a pH level of less than 7.0 and/or a chlorine level higher than 3.0 ppm can cause the liner to form wrinkles. Do not use large, single doses of hydrochloric (muriatic) acid for pH or total alkalinity adjustment. If it's not blended sufficiently with pool water, it may chemically attack the pools liner's print pattern. Ask your pool dealer for the recommended procedure for total alkalinity adjustment.

#### THE CALCIUM HARDNESS CHECK

Calcium levels should be kept at a minimum level of 200 ppm to avoid corrosive conditions. Calcium levels over 500 ppm may cause problems such as cloudy water or scaling on the pool liner surface.

#### THE TOTAL ALKALINITY CHECK

Your water test kit or your pool dealer's test will show a total alkalinity reading. Simply put, it's the ability of your pool water to counteract changes in the pH level. Ideally the total alkalinity level should be at 80-120 ppm.

#### OTHER SAFETY CHECKS

Allow each chemical to circulate throughout the pool before adding a second chemical. Certain combinations of chemicals at a high concentration can cause bleaching of the liner. You should test for the presence of dissolved metals, because they may directly stain the vinyl liner or combine with calcium hardness to form discolored deposits. Some Pool Liners have a special transparent topcoat that protects the print pattern from abrasion and soil adhesion. To maintain its effectiveness, avoid using abrasive cleaning agents or cleaning aids.

#### CLOSING THE POOL

At the end of the swimming pool season, test the pool water 1-2 weeks prior to closing and balance the water. Double shock the pool 3-4 days before lowering the water level. Be certain to leave the pump and filter running continuously after adding any chemicals, especially the shock treatment. (most liner damage is caused by shocking the pool and not allowing the pump to circulate for 2-3 days continuously. If the pump is on a timer, make the effort to disable this function for at least 2 or 3 days). Chlorine may settle in the deep end and bleach the liner and/or causes wrinkles if not allowed to blend with the pool water. NEVER close a pool without circulating the pool water for several days after the final addition of chemicals. Clean and vacuum the pool from top to bottom. Use a proper fitting winter pool cover, tightly sealed around the perimeter of the pool. It will prevent the accumulation of debris such as leaves and insects during the winter. Should you have any questions about your pool, call your dealer - he's your pool professional. And remember, the proper chemical balance, regular maintenance and common sense are the keys to years of enjoyment from your pool.

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