

CGT TECHNICAL

VINYL POOL CARE MANUAL 2018.01.22

VINYL POOL CARE MANUAL

# Poolside

by CGT

**A GUIDE  
FOR THE CARE  
AND INSTALLATION  
OF VINYL POOL  
LINER MATERIAL  
FROM THE WORLD'S  
LEADING MANUFACTURER  
OF POOL LINER  
MATERIAL**

 **CGT**  
*the perfect finish.*





## Vinyl Pool Liner – Maintenance

### CGT Pool Liner Care and Maintenance Guide

Congratulations on the selection of your new liner, with proper maintenance and chemical strong recommendations, you will benefit from the quality and beauty for years to come! With a strong, resilient CGT vinyl pool liner, you have ensured that your pool liner remains the focal point of your pool. We have designed and manufactured our CGT vinyl to help your pool liner survive the extremes of nature, sun, heat, chemicals and the harshest conditions of winter.

### Liner Care and Maintenance

Our specially formulated vinyl gives extended protection against biological growth and pattern loss. However, maintaining the chemistry of your pool water at recommended levels is essential to prolonged liner life as most liner problems are due to a misuse of chemicals, either too much or too little. For the proper chemical balance, your dealer can provide you with the test kits to measure the chemicals in your pool water. CGT recommends maintaining pool water chemistry at the following levels to maximize the life of your vinyl liner.

#### Check pH

pH is the measure of acidity/basicity level in your 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.

**Target pH 7.2 - 7.6**

#### Check Total Alkalinity

Your water test kit or your 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.

**Target total alkalinity level at 80-120 ppm**

#### Check Water Stabilizer

All vinyl pools must be routinely stabilized with cyanuric acid 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 reach its cycle.

**Target water stabilizer content at 25 - 50 ppm**

## Check Calcium Hardness

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 liner surface.

Target calcium levels  
greater than 200 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. Test for the presence of dissolved metals because they may directly stain the vinyl liner or combine with calcium hardness to form discolored deposits.

Each CGT vinyl Pool Liner has 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 pool season, adjust the water level to the dealer's recommended level.

- Test the pool water and balance
- Never close a pool without circulating the pool water for several hours after the final additions of chemicals (chlorine may settle in the deep end and bleach the liner)
- 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 leave and insect during the off-season.

## Recommendations for Care

### Maintain proper water balance:

- pH in the 7.2 to 7.6 range.
  - Total alkalinity at 80 to 100 ppm.
  - Calcium hardness: 200 ppm minimum.
1. Maintain free chlorine residual between 1.5 and 3.0 ppm. If the free chlorine drifts below 1.5 ppm, algae and bacterial growth may occur and may stain the vinyl liner.
  2. A pH of less than 7.0 should be especially avoided as it can cause the liner to form wrinkles, with greater probability if the water hasn't been stabilized with cyanuric acid and the chlorine is maintained at or above superchlorination levels for extended periods. For this reason, it is recommended that all vinyl lined swimming pools be routinely stabilized with cyanuric acid and that a minimum of 50 ppm be maintained.

7.2 - 7.6  
pH range

80-100ppm  
Total Alkalinity

200ppm  
Minimum  
Calcium Hardness

3. Pre-dissolve calcium hypochlorite and other slow dissolving sanitizers in a bucket of pool water, add the solution to the pool by filtering through a sieve to prevent undissolved particles from settling on the bottom, otherwise spot bleaching of the liner could occur. Always read and follow manufacturer's instructions given on product labels and containers.
4. Test for the presence of dissolved metals in pool water. Dissolved metals may stain the vinyl liner directly or may combine with calcium hardness and form discoloured deposits on the vinyl liner. Follow the manufacturer's recommendation concerning the chelating materials to inactivate dissolved metals.
5. Chemicals should never be mixed and added to the pool water at the same time. Certain combinations of the chemicals that individually will have no effect can cause bleaching of the liner if concentration is allowed to remain high while in vicinity of the liner. Always allow a chemical to disperse throughout the pool by means of water recirculation before adding a second chemical.
6. Do not drain the pool completely for any reason without consulting a pool professional for advice. The older the liner, the higher the risk that the liner will shrink and not stretch back into its original shape without ripping. Sites with a high-water table may also carry the additional risk of structural damage.
7. Never close a pool without circulating the pool water for several hours after the final addition of chemicals. Even liquid chlorine can concentrate in the deep end and cause liner bleaching if it has not been sufficiently blended with the rest of the pool water.
8. Use a well-fitting winter pool cover that is tightly sealed around the entire perimeter of the pool to prevent accumulation of debris such as leaves, worms, etc. during the winter period. Organic matter has the potential to cause staining and/or bleaching of the vinyl liner.
9. Avoid the use of any abrasive cleaning agents or cleaning aids (e.g., steel wool, sharp bristled brushes, scouring pads, etc.).
10. Only use the manufacturer's recommended vinyl liner cleaner for removing accumulated soil at water line or other soiled areas

**Should you have any questions about your pool, call your dealer – they are your pool professionals.**



**Poolside by CGT**  
**Canadian General Tower Ltd.**  
**52 Middleton Street**  
**Cambridge, ON, Canada**  
**N1R 5T6**

[poolsidebycgt.com](http://poolsidebycgt.com)  
[technical@cgtower.com](mailto:technical@cgtower.com)

ALL PATTERNS ARE COPYRIGHT PROTECTED AND MAY NOT BE REPRODUCED IN ANY FORMAT WITHOUT THE WRITTEN PERMISSION OF CGT LTD. COLOURS OF PRODUCTION MATERIALS MAY VARY FROM BROCHURE IMAGES, PLEASE SEE VINYL SAMPLES FOR COLOUR. COLOURS TO BE DETERMINED BY PRODUCTION INKS AND BASE FILMS.

CGT PRODUCTS ARE MANUFACTURED IN ACCORDANCE WITH ISO 9001:2015, ISO 14001:2015.



FM 714097

EMS 63200