

POOL PROFESSIONALS
OVER
40
YEARS
FOR OVER 40 YEARS

POOL

care guide



Pool
Care
Made

E-Z





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POOL CARE MADE SIMPLE-IN 3 E-Z STEPS

Welcome to the world of **E-Z Clor**[®] products. This book will guide you on the usage of products, care, and testing of your water in order to keep your pool clear and sparkling. Please take a few minutes to review this information, and call your professional **E-Z Clor**[®] dealer if you have any questions or problems. They're professionals in pool care, and they are there to meet your needs.

Enjoy your swimming season, and thank you for choosing **E-Z Clor**[®] products.

3-STEP SYSTEM

1.

Sanitize your pool with convenient stabilized chlorine tabs. Whether your preference is **Small Tabs, Big Tabs or Slow Sticks, E-Z Clor**[®] has you covered.

2.

Shock on a routine basis with effective **Super Shock-It 73**[®] granules or **Re-Fresh**[®] granules to kill bacteria, destroy algae and eliminate organic contaminants.

3.

Safeguard with a quality **E-Z Clor**[®] **Algaecide** to provide a preventive back-up system, and protect your pool against the threat of troublesome algae.

CIRCULATION

Caring for your pool is more than just adding maintenance products. You must know some basic information about the circulation and filtration system and their roles in pool care before sanitization can be discussed.

THE ROLE OF THE PUMP

The heart of the circulation system is the pump. It moves water from the pool and sends it through the filter for removal of any dust, dirt, and debris prior to sending it back to the pool.

The primary question that most pool owners ask is, **“How long should I run my pump?”**

There are too many variables for one **“covers all”** answer. Piping size, pool size, swimmer load, and size of the actual pump all play a role in determining how long you should run your pump. For the proper **“run time”**, consult your **E-Z Clor®** dealer. They can determine, based upon all the variables, the proper amount of time required to keep your pool clear and clean.

NOTE: If your pump is not running, the water from your pool is not being properly circulated or filtered. Running the pump and circulating the water is the best way to help prevent problems.

THE FILTRATION SYSTEM

The job of the filtration system is to remove any undissolved dirt and debris from the pool water. Both the skimmer basket and the hair and lint basket within the pump play a role in the filtering of the pool water, the primary element of the system we will discuss here is the filter itself.

Consult your **E-Z Clor**® dealer for assistance in understanding the role that the skimmer and pump basket play in keeping your pool clean. Always consult your owner's manual for specifics related to the type of filter you have.

FILTER TYPES

There are three types of filters that are used in swimming pools to remove dirt and debris that enter the water through swimmers and the environment.

1. Sand
2. Cartridge
3. Diatomaceous Earth (DE)

If you don't know your filter type, your **E-Z Clor**® dealer can assist you in determining which filter you have. The following pages describe these three different types of filters.

1. SAND FILTERS

Dirt is removed from a sand filter by “**backwashing**” or reversing the water flow. The filter should be backwashed when the pressure increases 7-10 lbs. over normal operating pressure. *(This is the pressure indicated on the pressure gauge when the filter is completely clean.)*

Sand filters are more efficient when they are slightly dirty; consequently, they should only be backwashed when required by the increase in pressure.

Sand filters should be cleaned at least every season with **E-Z Clor® Enhanced Filter Cleaner**. Consult your **E-Z Clor®** dealer for the frequency requirements for changing the sand.

2. CARTRIDGE FILTERS

Dirt needs to be removed from a cartridge filter when the pressure gauge indicates an increase of 7-10 lbs. over normal operation pressure. Remove the cartridge(s) from the filter and hose off all loose dirt and debris. Then soak the cartridge(s) in **E-Z Clor® Enhanced Filter Cleaner** for at least 12 hours. This will remove all oils and greases imbedded in the filter element. After soaking, remove the cartridge(s) and rinse thoroughly with fresh water.

Peak filter efficiency is achieved if you allow the filter cartridge(s) to dry prior to reinstalling in the filter. To avoid any “**down time**” for the circulation or filtration systems, it is advisable to purchase a second set of cartridge elements so they may be interchanged on a regular basis with the first set.

3. DIATOMACEOUS EARTH (DE) FILTERS

Like sand, the DE filter is cleaned by backwashing the filter when pressure increases 7-10 lbs. However, once the filter has been backwashed, new DE must be added to coat the grids in the filter. This is accomplished by pouring DE through the skimmer. Your **E-Z Clor**® dealer can tell you how much DE is required to “recharge” your filter.

To cut oils and other natural oil build-up, DE filter grids should be cleaned at least once every season using **E-Z Clor**® **Enhanced Filter Cleaner**.

Also, at least once a year the entire DE filter should be disassembled and cleaned thoroughly as well as inspected for tears or rips in the grids.

REMEMBER: If you don't know your filter type, your **E-Z Clor**® dealer can assist you in determining which filter you have.

TESTING YOUR POOL

Testing your pool 2-3 times a week is important for maintaining adequate water balance and sanitizer levels as well as ensuring swimmer comfort. Test strips are a quick means (*only 30 seconds*) to test the pool for adequate sanitizer levels as well as pH and total alkalinity.

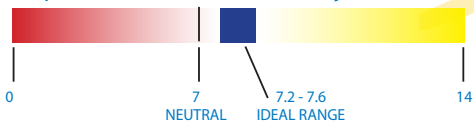
Proper testing also ensures that calcium levels are maintained and that there are no metals present in the pool water.

In order to prevent scaling or corrosive action and to achieve maximum swimmer comfort, the pool water should be balanced to the following levels.

TEST	RANGE
pH	7.2 - 7.6
Total Alkalinity	120 - 150 ppm
Calcium Hardness	200 - 250 ppm (<i>Concrete Pools</i>)
Calcium Hardness	175 - 225 ppm (<i>Vinyl Pools, Above Ground Pools, Fiberglass, Pools, Swim Spas</i>)
Free Chlorine	1 - 3 ppm
Free Bromine	3 - 5 ppm
Metals: Copper	0 ppm
Metals: Iron	0 ppm

BALANCING pH

The pH of the pool should be tested and adjusted 2-3 times weekly.



pH is the measure of acid and base in the pool water. The pH of the pool should be tested and adjusted, if necessary, 2-3 times a week.

If the pH of the pool water drifts to the acid side of the scale, corrosion of pool surfaces and equipment can occur. If the pH of the pool water drifts to the base side, scaling, deposits, and cloudy water can occur.

Use **E-Z Clor® pH Up** to increase the pH of the pool. To lower the pH of the pool, use **E-Z Clor® pH Down**. Follow the label directions for the proper amount of the products to add based upon test results and pool size.

Take a sample of water to your **E-Z Clor®** dealer every 2-3 weeks for complete test and analysis.

NOTE: Always follow label directions when adding any pool maintenance products to the pool. Never mix products together. If unsure how products are to be used, contact your **E-Z Clor®** Dealer.

CALCIUM HARDNESS

Calcium Hardness is the amount of dissolved calcium in the pool water. Low calcium hardness levels can cause plaster finish etching and can shorten the life of vinyl liners. High calcium levels can result in calcium deposits on the pool surfaces as well as the pool equipment.

The proper range for calcium hardness in pool water is 200-250 ppm (*parts per million*) for concrete pools and 175-225 ppm for vinyl pools, above ground pools, fiberglass pools, and swim spas. Your **E-Z Clor**® dealer can test for calcium hardness on a regular basis when you take a sample of your pool water in for analysis.

To increase calcium hardness, use **E-Z Clor**® **Calcium Elevator**. Follow the label directions for dosage rates based upon pool volume and test results. If calcium hardness levels are high, **E-Z Clor**® **Metal Magnet** should be used to prevent deposits or scaling on the pool surface or on pool equipment, and to prevent metal stains.

If the calcium levels are exceedingly high (*in excess of 450 ppm*), partial drainage of the pool may be required. Your **E-Z Clor**® dealer can advise you of the best method for treating your pool if you encounter high calcium hardness.

If tests indicate that you have extremely high calcium levels in your pool, take a sample of your fill water (*water used to fill the pool*) to your **E-Z Clor**® dealer for analysis as well.

TOTAL ALKALINITY

To prevent the pH from “drifting” or “bouncing” up and down, the proper amount of acid buffers, or total alkalinity, must be maintained in the pool. The pool should be tested weekly with a total alkalinity of 120-150 ppm (*parts per million*) maintained.

Low total alkalinity cannot only result in pH bounce and fluctuations, but it can also lead to corrosiveness and the possibility of increased staining. High total alkalinity can also cause the pH to fluctuate, the pool to become cloudy, and possibly cause scaling.

To lower total alkalinity, follow the directions from your **E-Z Clor®** dealer. To raise total alkalinity, follow the label directions on **E-Z Clor® Alkalinity Up**.

METALS

There should not be any metals present in the pool water. Metals can cause staining in the pool and can cause the pool to turn colors. The most common types of metals that appear in pool water are copper, iron, and manganese. Your **E-Z Clor®** dealer can test your pool water for the presence of any type of metals.

If tests indicate that metals are present in the pool, **E-Z Clor® Metal Magnet** should be used on a regular basis to prevent staining. You should determine the source of the metals and remove if possible.

SANITIZE WITH CHLORINE

E-Z Clor[®] stabilized chlorine products sanitize your pool water and kill bacteria. Stabilized chlorine products are protected from sunlight degradation and are an ideal means to keep your pool clear and clean.

E-Z Clor[®] stabilized chlorine products are available in a variety of forms:

Big Tabs
Small Tabs

Slow Sticks
Quick Dissolve

Your **E-Z Clor**[®] dealer can determine the best form of sanitization for your particular needs to help you maintain a free chlorine level of 1-3 ppm in the pool at all times.

SANITIZE WITH BROMINE

You may want to use bromine instead of chlorine to sanitize your pool. **E-Z Clor**[®] **Bromagen Tablets** provide a reliable method for killing bacteria and keeping your pool clear and clean.

To utilize bromine effectively, an automatic brominator must be installed in your pool. Check with your **E-Z Clor**[®] dealer for more information.

SHOCKS

Shocking the pool on a regular basis is an important step in keeping the pool clear and clean. Swimmers and the environment add waste to the pool that must be eliminated on a regular basis in order to prevent problems such as algae and cloudy water.

E-Z Clor[®] shock products are available in a variety of forms:

O2 Shock
Re-Fresh[®]

Re-Fresh+[®]
Super Shock-It 73[®]

Your **E-Z Clor**[®] dealer can recommend the **E-Z Clor**[®] product best suited for your shocking needs.

ALGAECIDES

Preventing algae is the key to fun in your pool. Algaecides act as a backup to your normal sanitization program, and prevent algae from growing in the pool. Algaecide should be added after every shock treatment.

E-Z Clor[®] has an algaecide products available in a variety of forms:

Algaecide
Algaecide 50
Algaecide Plus

Mustard Algaecide Plus
Granular Algae Out

Your **E-Z Clor**[®] dealer can recommend an algaecide for your needs.

YOUR POOL PROGRAM

Name: _____

Pool Capacity: _____

Filter: _____

Pump: _____

Heater: _____

Pool Finish: _____

REMEMBER: Test the pool water weekly. Bring your E-Z Clor® dealer a sample of pool water every 2-3 weeks to be tested for calcium hardness and metals. Maintain your pool balance within the following ranges:

TEST	RANGE
pH	7.2 - 7.6
Total Alkalinity	120 - 150 ppm
Free Chlorine	1 - 3 ppm
Free Bromine	3 -5 ppm

INITIAL / OPENING TREATMENT*

Add _____ to shock the pool.

Add _____ Big Tabs, Small Tabs, Slow Sticks Quick Dissolve.

Add _____ **E-Z Clor®** Algaecide _____.

WEEKLY TREATMENT

Add _____ **E-Z Clor®** sanitizer every _____.

Shock the pool: _____ **E-Z Clor®** _____.

(Pump should be running when adding shock.)

Add _____ **E-Z Clor®** Algaecide _____.

*Consult your **E-Z Clor®** Dealer to determine the best maintenance options for your pool. ALWAYS follow label directions when adding any pool chemicals to the pool.

SAFETY TIPS



ALWAYS read all label directions on all products prior to using, and only use as directed.

USE A SEPARATE, PLASTIC MEASURING CUP for each chemical.

USE A SEPARATE, NON-CONTAMINATED BUCKET to mix the chemical into the water.

For chemicals that require pre-mixing with water, **ALWAYS** add the chemical to the water.

NEVER add water to the chemical.

NEVER mix one chemical with another chemical prior to adding to the water.

Use a separate bucket for each chemical you mix into water, and never mix more than one chemical into the water in any bucket.

NEVER add chemicals to the water when people are in the pool.

Be sure to only add one chemical to the pool at a time and allow time for each chemical to circulate before adding another.

There are chlorinated products that are not compatible when mixed.

NEVER mix different types or brands of chlorine together.

NEVER mix chemicals together.

DONOT use quantities in excess of the recommended dosage on the label.

After shock treating, you **MUST** wait until the free available chlorine residual is at the level recommended by the label instructions.

DO NOT use contents of unlabeled containers.

Keep all chemicals out of the reach of children.

Be sure to properly store and handle chemicals in accordance with label instructions.

Store chemicals in a clean, cool, dry location out of direct sunlight.

Containers should always be kept closed when not in use.

PROPERLY DISPOSE of all containers. Do not reuse empty chemical containers.

WASH YOUR HANDS THOROUGHLY after handling the chemicals.

If you encounter any problems, take a water sample for a complete test and analysis to your **E-Z Clor**® dealer. They can meet your pool care needs quickly and cost effectively.

**Pool Care Made Easy with the
complete E-Z Clor® line of
quality professional chemicals.**



www.ezclorchemicals.com

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