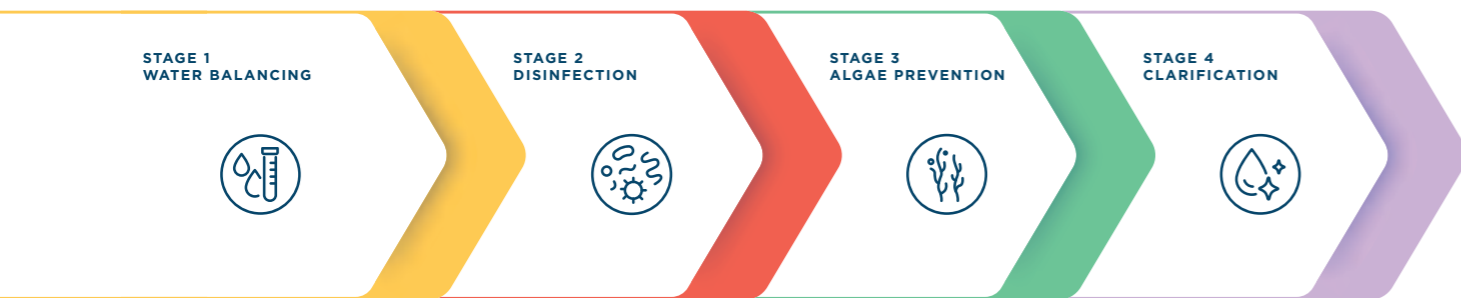


Clarity Pool Water Treatment Guide





Bringing Clarity to pool ownership

Looking for a brand you can trust? Clarity by HeatForm, is a complete range of high quality, affordable water treatment products suitable for the everyday maintenance of your swimming pool.



For troubleshooting tips, more detailed information about pool chemistry and dose rates visit heatform.co.uk/clarity

Clarity offers a straightforward, user-friendly approach to maintaining and treating your swimming pool. It doesn't need to be complicated but to get the best out of your pool you do need to give it some regular care and attention. Follow our four-step process to keep your water clean, clear, and safe for an enjoyable and comfortable swimming experience.

Clear and safe pool water starts with accurate testing

Accurate water analysis is critical to ensuring safe and balanced pool water.

Good quality test strips or electronic photometer machines like those you can see in the pictures are used to deliver fast and precise results. They are used to measure key chemical levels in your pool water including pH, chlorine, alkalinity, hardness and stabilisers. We recommend checking levels at least once a week, ideally daily.



Ideal parameters at a glance:	
Chlorine	0.5-2.0 mg/l
Bromine	1.0-3.0 mg/l
PH	7.0 - 7.4
TA	80-160 mg/l
Calcium hardness	80-200 mg/l
Cyanuric Acid (Stabiliser)	30-50 mg/l

Remember - it is essential to calculate the volume of water in your pool to deliver the correct dose of any product.

STAGE 1 WATER BALANCING



Step 1: Water Balancing

To create a healthy, safe and comfortable swimming environment the pool water must first be balanced.

This helps to prevent corrosion and scaling, optimises the sanitiser effectiveness whilst keeping the water comfortable to swim in. Skin irritation, cloudy water and algae are all common signs of unbalanced water. For water to be in balance the pH, Total Alkalinity (TA) and calcium hardness must all be within certain limits.

Total Alkalinity (TA)

TA measures the water's ability to neutralize acids, which keeps the pH steady. Alkalinity acts as a buffer for pH, helping to keep it stable. If TA is lower than 80mg/l then the pH will fluctuate making it difficult to adjust. You should, therefore, always ensure the TA is at the correct level before adjusting the pH.

To increase the TA use **Clarity Alkalinity plus**.

pH level

The pH of pool water affects swimmer comfort and sanitiser efficiency. The recommended level for pH is between 7.0 and 7.4 as this is the optimum range that will allow chlorine sanitisers to work efficiently, protect the pool equipment and create the most comfortable bathing conditions.

To increase or decrease pH levels use **Clarity pH plus** or **Clarity pH minus**.



Acidic (Low pH)
Danger of:

- Skin and eye irritation
- Corrosive to pool materials

Neutral
Ideal pH range:

- Between 7.0 and 7.4 for optimum water treatment

Alkaline (High pH)
Danger of:

- Skin and eye irritation
- Scale formation
- Sanitiser inefficiency

STAGE 2 DISINFECTION



Step 2: Disinfection

Disinfection is the process of killing or removing bacteria, viruses and other microorganisms that can grow in pool water. Two of the most common methods are using chlorine or bromine. Regular testing, proper dosing and good filtration help ensure the water stays hygienic.

Stabilised Chlorine is available as either a fast acting granular product **Clarity Stabilised Chlorine granules** or larger slower dissolving tablets which are placed in the skimmer basket. These will dissolve over 7- 10 days. The stabilising element (cyanuric acid) protects the chlorine against UV degradation and prolongs its effectiveness so is a popular choice for outdoor pools. You should aim to keep chlorine levels between 0.5-2mg/l.

Clarity Multifunctional chlorine tablets are often used for convenience as they contain extra ingredients which allow them to perform several key pool care tasks at the same time (disinfection, algaecide, water clarification and anti-scale). A 200mg tablet will typically dissolve over 5 days.

Clarity Bromine tablets are designed for use in a brominator or feeder machine. Bromine works similarly to chlorine but is more stable in warmer water than chlorine and fluctuating pH, so it is a popular choice for spas and heated, indoor pools. It is gentle on the skin and low odour.

Clarity Shock Chlorine granules (Chloryte) do not contain stabilisers and dissipate quickly in water. They are used to increase chlorine levels quickly to tackle pool water issues, breaking down contaminants after high bather loads or stormy weather. Shock dosing should also feature in your regular maintenance schedule.

STAGE 3 ALGAE PREVENTION



Step 3: Algae Prevention

Algae prevention is a crucial step in pool maintenance. Algae are microscopic plants that thrive in warm, poorly sanitised water.

They can either float on the surface of the pool or be held in suspension and can quickly turn a pool green particularly after high bather loads or warm stormy weather. Using **Clarity Copper Free Algaecide** helps prevent algae forming without the risk of staining or foaming.

When it comes to Algae, prevention is always better than cure!

It is much more cost effective and less time consuming to prevent algae than to treat



a full-blown infestation, **Clarity Long Life Algaecide** offers extended protection and is ideal for start up and winter maintenance routines. It is compatible with chlorine, bromine and active oxygen pools. 850ml per 10m³ prevents algae for 3 months.

Q: Doesn't the chlorine kill the algae?

A: Yes, usually, but in instances where the chlorine has fallen too low or the water is incorrectly balanced this will inhibit its effectiveness. Certain algae are also resistant to chlorine.

Q: If I'm using the Clarity multifunctional chlorine tablet which contains an algaecide, do I need to add any more?

A: We would recommend boosting the pool at the start of the season with the **Clarity Long Life Algaecide** which will slowly release its active ingredients over time and then be replenished by the algaecide in the multifunctional tablets.

STAGE 4 CLARIFICATION



Step 4: Clarification

Everyone wants to swim in a clean, sparkling pool, but dealing with cloudy water is a common issue.

This can result from a variety of factors including filtration issues, imbalanced chemicals (pH and chlorine) or environmental debris such as dust, pollen, leaves or algae.

Used to clear or prevent cloudiness, the **Clarity Floc Cartridge** can be popped easily into the skimmer basket and gets to work straight away. The 'flocculant' in the cartridge works by binding the unwanted, tiny particles in the water together, making it easier for your pool filtration system to remove them.



Q: Help, we've just had a big family pool party, and my pool is looking green and cloudy - what should I do to fix it?

A: It is the absence of chlorine which has allowed the pool to go green and permit algae growth. This is very common after high usage of the pool and/or particularly warm or stormy weather. We would recommend brushing the pool surfaces (paying attention to any hidden areas like by the steps), backwashing the filter, checking and adjusting the pH value and then shock dosing the pool using **Clarity Shock Dosing Granules** (Chloryte). Add a **Clarity Floc Cartridge** to the skimmer basket and run the circulation pump continuously. After 24 hours, carry out another filter backwash. If the free chlorine level is below 1.5mg/l 24 hours after the initial shock treatment repeat the shock chlorination.

Health and Safety

ALWAYS follow the instructions on the label. As a general rule, avoid direct contact with all chemicals. Wear rubber gloves and protective goggles. Instantly wash chemical splashes off any areas of skin and clothing.

DO NOT mix chemicals with other chemicals.

NEVER mix chlorine products with each other or with other chemicals in their solid or concentrated form.

ALWAYS add chemicals to water (not water to chemicals).

Store chemicals sealed in a cool, dry, well-ventilated area and protect from direct sunlight. All chemicals should be stored out of reach of children and unauthorised persons.

If you are ever in doubt or for more advice, consult your pool professional.



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