

Arrowhead Deck and Pools, LLC
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ArrowheadDeck.com
602.833.8560
Solutions@ArrowheadDeck.com
Licensed Bonded Insured | ROC 245274, 326855, 326925, 330424 & 302211

# **Terms & Conditions**

By signing below, the undersigned Customer hereby makes the following agreements, representations, and covenants with Arrowhead Deck & Pools ("ADP") with respect to the services to be performed by ADP as detailed in the accompanying invoice (the "Services"):

1. **Job Site Access**. During the full period of time in which the Services are being provided and the subsequent curing time, Customer shall keep the entire Job Site area free from obstruction and provide ADP reasonable access thereto. Compliance with this covenant requires the Customer to do the following, which list is not exclusive: (a) remove and/or keep the Job Site and access corridors clear of all trees and landscaping features, furniture, equipment, plant pots, vehicles, vending machines, trash cans, ash trays, and all other objects; (b) turn off all fountains and sprinkler, drip, irrigation, and other landscape water systems; (c) ensure the pool water level is no higher than 4 inches below the top of the pool; (d) prevent people and animals from entering the Job Site, walking on the relevant surfaces, or using any nearby pool or water feature; (e) provide locks and keys to ADP if Customer wishes ADP to lock the Job Site during non-working hours; and (f) provide a passageway sufficiently wide and tall to allow for excavation equipment to access the area where any digging will occur.

Customer is responsible to protect all trees, shrubs, ground cover or other vegetation which he desires to save which occupy space to be used in the construction of the swimming pool. ADP is not liable for damages caused by Customer's failure to comply with this section.

# 2. Payment.

a. Payments can be made with credit card with a 3% processing fee, mailing a check to 1502 N 29<sup>th</sup> Ave Phoenix, AZ 85009, using our Paperless Check/ACH option for free by using this link <a href="https://arrowheaddeck.com/payments/">https://arrowheaddeck.com/payments/</a>, or taking advantage of one of our flexible financing options <a href="https://arrowheaddeck.com/financing/">https://arrowheaddeck.com/financing/</a>

If the scope of ADP's Services includes installing a new pool, then Customer shall make payments to ADP on the following schedule:

Amount	Phase of Project
15% of contract price	At the time this Contract is signed.
25%	Upon commencement of excavation.
25%	Upon commencement of electrical rough-in.
25%	Upon commencement of shotcrete and commencement of tile/coping/pavers.
10%	At installation of interior surface (punch list will be addressed after final payment).

b. For all other projects, Customer shall make payments to ADP on the following schedule:

Amount	Phase of Project		
50% of contract price	At the time this Contract is signed.		
50%	Upon substantial completion of the Services (punch list will be addressed after final payment).		

- c. Payment is due to ADP within 14 days of submission of an invoice. Time is of the essence with regard to payment and late payment will result in interest accruing on the unpaid amount at a rate of 1.5% per month. A 3.0% charge will be applied to all payments made by credit card.
- 3. **Changes**: Changes in the scope of ADP's Services may be accomplished only by Change Order, which is a written instrument prepared by ADP and signed by Customer and ADP stating their agreement upon: (a) the change in the Services; (b) the adjustment to the contract price; (c) the adjustment to the contract time.
- 4. **Delays**: The estimated completion date provided herein is only an estimate and not a guarantee, and is subject to change orders and the speed of the governmental entity that issues the permits and performs inspections of the work. If ADP is delayed at any time in the progress of the Services for reasons outside its reasonable control, then the contract time will be appropriately extended.
- 5. **Confirmation of Funding Source**: Before commencement of ADP's Services and upon written request by ADP, Customer shall provide ADP reasonable evidence that Customer has made financial arrangements to fulfill Customer's obligations under this contract. Because of Arizona Dept. of Revenue's MRRA program relating to the value of a new pool compared to a home's existing value, ADP may also request evidence regarding the approximate tax value of Customer's home. ADP shall have no obligation to commence Services until Customer provides such evidence. Customer's obligation to make payments under this contract are not dependent on Customer's financing arrangements.
- 6. **Warranties**: ADP warrants that it will perform the Services in a good and workmanlike manner and in accordance with all accepted standards of the industry. ADP provides no warranties on materials. The manufacturer of materials used by ADP in the Services may provide a materials warranty, but ADP makes no representations or covenants regarding such materials warranties. All warranties set forth herein are void if payment is not made in full. The warranties provided herein do not apply to damage resulting from Customer's or its invitees' negligence or intentional acts or modification, weather or acts of God. Any warranty claim must be asserted in writing to ADP prior to expiration of the relevant warranty period in order to be timely. The following service-specific limited warranties and limitations of warranties are also in force to the extent applicable to the Services:
- a. <u>Concrete Pouring</u>: Other than as expressly set forth above, ADP disclaims any and all warranties related to concrete poured by ADP. Cracking and settling of concrete is common and out of the control of ADP.
- b. <u>Coatings</u>: If a Coating delaminates from the surface to which it was applied within 2 years after application by ADP as part of the Services, and such delamination is a result of ADP's failure to apply the Coating according to industry standards for the relevant Coating material, ADP will repair the affected area (the "Coating Warranty"). This Coating Warranty does not cover variations to the surface texture, feel, or color, or overall appearance of the Coating, as such variations are part of the products' beauty and rustic character. This Coating Warranty does not cover settling or cracking in concrete host underlying the applied Coating, nor does it cover resultant cracking in the applied Coating itself caused by cracking or settling of the concrete. Cracking and settling of concrete is common and out of the control of ADP. ADP recommends that the coated surface be resealed every 3-5 years, and is willing to provide such service for a fee. If Customer hires a person or company other than ADP to repair or reseal the Coating during the 2-year warranty period, the Coating Warranty is void.
- c. <u>Pool Interiors</u>: For information about your manufacturer warranty, and submit within 30 days of installation, please click here: <a href="https://finestfinishpools.com/wp-content/uploads/2020/02/Warranty-Universal-Mini-Pebble-022020-for-Web.pdf">https://finestfinishpools.com/wp-content/uploads/2020/02/Warranty-Universal-Mini-Pebble-022020-for-Web.pdf</a>

Startup Procedures: <a href="https://finestfinishpools.com/wp-content/uploads/2022/08/npc-pool-start-up-english.pdf">https://finestfinishpools.com/wp-content/uploads/2022/08/npc-pool-start-up-english.pdf</a>.

7. **Plans and Utilities**: Unless the contract expressly provides otherwise, Customer is responsible for the accuracy of the plans and specifications and warrants that the plans meet all applicable city codes. Customer must pay expenses associated with the need to move the location of the pool due to sewer line, utility line, septic tank or any other obstruction. Similarly, Customer must pay expenses associated with moving any utility, including electrical lines, in order to build the pool. Customer is responsible for determining the location of underground utilities

(including pipes, utility lines, and septic tanks), clearly marking the location of such utilities, and giving ADP written notice of the existence and location of such utilities. If Customer's property boarders an alley, it is highly recommended that Customer have all lines professionally located prior to the start of construction. ADP may rely solely on Customer's markings and notices indicating the location of such utilities.

8. **Drainage, Soil, and Grading**: Customer understands that it is their responsibility to ensure that the water properly drains away from the pool and decking and effectively off their property. ADP assumes no liability regarding damages or failures caused by surface or subterranean drainage under or around ADP's work. ADP has not and will not complete a soils test as part of this contract unless the scope of work expressly includes such test. Customer must request and pay for soils testing. Damage caused to any of ADP's work as a result of expansive soil will be at Customer's expense. All excess soil will be removed unless otherwise specified by Customer in writing before the start of excavation. Customer agrees to assume all responsibility for soil left at his request. No grading will be done unless expressly specified in contract.

# 9. **Acknowledgements**.

- a. <u>Concrete including Stamped Concrete</u>: Customer acknowledges that it is normal and not a defect for new concrete to have or develop imperfections in color with some areas lighter or darker than others, and for the surface texture to vary. Stains and/or dyes added to cement mix will result in inexact color as the base color of the cement will vary due to manufacturer blending of raw materials. Customer also acknowledges that concrete is susceptible to settling and cracking due to roots, soil movement, heavy minerals, and a number of other causes over which ADP has no control, and the Services are not designed to, nor will they, prevent the existence, development, or worsening of such settling or cracking. Customer further acknowledges that untreated concrete is porous (not water-tight), and exposure to moisture on any untreated surface area (for example an exposed crack or side) can weaken or cause the failure of sealant or treatment applied to adjacent concrete.
- b. <u>Coatings</u>: Customer acknowledges that acrylic, epoxy, and all other coatings ("Coatings") are susceptible to hard water deposits, such as calcium and lime, and whitening may occur over time particularly if standing water is present. Such deposits can be largely prevented and/or removed with proper maintenance, but ADP neither performs such services, nor recommends any particular regimen since each surface and property has different needs. Customer acknowledges that Coatings installed around a pool may result in dust and debris entering the pool, and although ADP will clean the Job Site, ADP shall not be responsible for removing from the pool any debris smaller than 1 inch in diameter or otherwise cleaning the pool.
- c. <u>Pavers</u>: Customer acknowledges that it is normal and not a defect for (i) pavers to shift, settle, and move over time; (ii) weeds to grow between pavers or through them if pavers have cracked; and (iii) pavers to discolor over time due to efflorescence or if/when they are exposed to dirt, sun, heavy minerals.
- d. <u>Pool Filter Equipment</u>: ADP recommends replacement of the pool filtration system as part of any pool renovation project. A new filtration is not included if not explicitly stated on Customer's invoice. Customer acknowledges that, despite ADP's reasonable efforts, debris from performance of Services may harm the existing filtration system, and that ADP is not responsible for any such harm.
- e. <u>Pool Fence</u>: Compliance with state, county and city pool enclosure requirements is Customer's responsibility.
- 10. **Limitation of Liability**: Customer agrees that the liability of ADP, its agents, and/or employees, in connection with the work, resulting from any breach of this contract, negligent acts, willful misconduct by ADP, its agents, and/or employees is limited to the total payments actually paid by Customer to ADP under this contract. Customer waives claims against ADP for any consequential or punitive damages arising out of or relating to this contract. ADP will not be liable for any pre-existing condition, known or unknown, present on Customer's property that is not specifically included in ADP's scope of work on the project.
- 11. **Concealed Site Conditions**: If conditions at the job site are materially different from the conditions observed prior to execution of this contract, or unusual or unknown conditions that are materially different than conditions typically encountered (collectively "Concealed Conditions"), ADP may immediately cease work and notify Customer

of said condition. ADP shall not be required to perform any further work unless and until the parties reach a mutual written agreement with respect to the Concealed Condition and any changes in the contract price or time resulting therefrom. Customer hereby releases, indemnifies and holds ADP harmless from and against any and all liability, claims, demands or damages arising out of or related to any Concealed Conditions.

- 12. **Escalation of Costs**: If, after the execution of this contract, material prices increase by more than 10% through no fault of ADP, the contract price shall be adjusted to cover such increase, which ADP will document through quotes, invoices, or receipts.
- 13. **Right to Cure**: Customer agrees that a contractor's "Right Notice and Opportunity to Cure" is included in this contract. Customer agrees to provide a detailed description of Customer's claim[s] to ADP and then allow ADP a reasonable time to cure any alleged deficiencies.
- 14. **Attorneys' Fees**: In any dispute, legal suit, action, or proceeding arising out of or related to this contract, the prevailing party shall be entitled to an award of all costs and expenses, including without limitation, all reasonable attorneys' fees incurred (including such costs, expenses and attorneys' fees incurred on all appeals).
- 15. **Waiver of Jury Trial**: In any dispute related to this contract, Customer waives any right to trial by jury.
- 16. **Bonds:** At Customer's cost, Customer may, prior to executing the Contract, request payment and performance bonds securing completion of the work and payment for services and materials. Should Customer pay for bonds, the parties may agree to a different payment schedule.
- 17. **Miscellaneous**: The individual signing below on behalf of the Customer has full legal authority to execute and bind Customer to these Terms & Conditions. This contract, together with the accompanying invoice, sets forth the complete understanding between ADP and Customer, and no other agreements, written or verbal, shall have any force or effect. Acceptance of the prices contained herein constitutes agreement of all the terms and conditions in the above sections. Arizona law shall govern this contract and the Services. Customer hereby submits to the exclusive personal jurisdiction and venue of courts located in Maricopa County, Arizona.
- 18. NOTICE: Under A.R.S. § 32-1155, a written complaint may be filed against a contractor with the Arizona Registrar of Contractors (ROC) within 2 years of the commission of an act in violation of A.R.S. § 32-1154(a). Additional information regarding the ROC's rules and procedures may be obtained by contacting the ROC at 1700 w. Washington St, Ste 105 Phoenix, AZ, 85007, or (602) 542-1525, or www.azroc.gov. Having been duly notified of the right to file an administrative complaint, Customer represents and agrees as follows: (1) Customer acknowledges that an unjustified administrative complaint is a hardship on ADP; (2) because of that hardship, Customer agrees to use the ROC's Building Confidence Program before filing an administrative complaint; (3) Customer consents to a non-prejudicial dismissal or stay of an administrative complaint if Customer does not first use the ROC's Building Confidence Program; (4) if Customer files an administrative complaint and it is determined that ADP is not at fault as to any item complained of, or the ROC requires no action by ADP regarding any item complained of, then Customer (a) agrees to pay ADP for all attorney's fees and attendant costs in defending against the administrative complaint and (b) waives any objection to the enforcement of this provision in a court of competent jurisdiction. Customer is advised that the contractor is required to provide you with specific written information concerning your rights regarding home solicitation and referral sales in this contract pursuant to A.R.S. title 44, chapter 15. A copy of title 44, chapter 15 may be obtained from various state sources including: the Arizona Secretary of State, 1700 W. Washington, St., 7th Floor, Phoenix, Arizona 85007, (602) 542-4285 or at its website at https://azsos.gov.

#### **Abnormal Soil Conditions**

# Notification of Possible Extra Charges Due to Soil Variability

This notice serves to inform you of the potential for extra expenses as soil conditions in Arizona vary significantly—ranging from clean agricultural soil to soils heavily mixed with rocks, caliche, sand, cemented cobblestones, and river rocks. Our cost estimations for projects are based on the assumption of normal, stable soil conditions. Consequently, it is critical to acknowledge the possibility of encountering additional costs owing to the unpredictable nature of soil. While we strive to alert you to the potential for extra charges when we anticipate them, a comprehensive understanding of soil conditions is only achievable once pool excavation commences and the requirements for extra materials and labor become clear.

Extra costs can arise during the following stages and scenarios due to unusual soil conditions:

- **Excavation**: Difficulties such as exceptionally hard soil which necessitates special equipment like ripper buckets and pneumatic ram hammers, or encountering river-bed soil prone to river rocks and cave-ins. The presence of extensive tree roots and other organic material can also lead to the need for additional excavation efforts and costs for the disposal of contaminated soil.
- •**Shotcrete Overbreak**: Extra shotcrete may be required to address significant voids, wall cave-ins, and deteriorating steps or benches during the shotcrete phase.
- •**Gas Piping Sleeving**: In instances of extraordinarily rocky soil at the depths where gas lines are installed, there may be a need, as dictated by the gas company or city inspectors, for the gas line to be encased in a protective sleeve to prevent damage from sharp rocks.
- •**Plumbing Sand Shading**: Should rocky soil be found, a city inspector might mandate that all underground plumbing lines be insulated and protected with sand, rather than replaced with the excavated soil. This incurs additional charges for importing sand and exporting the contaminated soil.

Our policy regarding these unforeseen costs is to apply them as a "cost-only" increase, avoiding any added profit margins, to lessen the impact on the overall project. Our project managers are committed to communicating any necessary additional work and associated costs as swiftly as possible once they are recognized.

By signing this document, the purchaser acknowledges the potential charges linked to "Abnormal Soil Conditions" are excluded from the initial contract and agrees to cover any additional expenses as necessary.

# **Maintenance Instructions for Pool Deck Concrete Coatings**

#### **After Installation Guidelines**

- Do not walk on (or get water on) a newly installed Preferred Deck System for 48 hours (72 hours in the winter months.) Protect the deck surface from all water, moisture, foot traffic and freezing conditions until the product has completely dried and cured.
- Do not place any patio furniture, fixtures, tools or any other heavy objects on the newly installed deck surface for at least 7 days (10 days in the winter months.)
- If the Preferred Deck System is applied on a driveway, do not drive on it for at least 10 days. Cold or rainy conditions may require a longer wait time. Please call us at 888.440.3320 if you have questions.
- Understand that the curing process could be extended if the Preferred Deck System is applied over new concrete, since it takes 28 days for concrete to cure completely under "normal" conditions (which could be longer in cold, wet conditions.) If the Preferred Deck System has been applied over new concrete, do not place heavy objects on the deck and do not scrape or drag items across the deck until after the concrete (and therefore the Preferred Deck System) has completely cured.

# **Maintenance Instructions**

- Periodically clean the deck with a pressure washer or high-power nozzle so that dirt won't get ground into the deck. Preferred Deck All Purpose Deck Cleaner, TSP, and Dawn dishwashing soap are all good choices if a cleanser is required.
- Avoid permanently staining the deck by wiping up spills immediately.
- If contact occurs with pool chemicals, fertilizers, or any other chemicals, remove it immediately.
- For stubborn stain clean up, please call us at 888.44.3320 for details.
- Be aware that Efflorescence (a white powdery film) often occurs with all concrete, which is more prevalent in the winter months. For more information about Efflorescence, please call us at 888.440.3320.

# **Start-Up Procedures for Pool Plaster Interior Resurface**

# **GENERAL CONSIDERATIONS**

The pool interior finish is especially susceptible to staining, scaling, and discoloration within the first 28 days. Initial start-up procedures include frequent brushing and daily testing and adjusting of the pool water. The following recommended start-up procedures are based on common trade practice and methods shown to produce the best aesthetic results and longevity of the interior finish. Due to uniqueness of the fill water or other environmental factors, some portions of the start-up procedures may need to be modified to protect the pool finish. For example; filling the pool with water having extremely high/low calcium hardness, high/low pH, or high/low total alkalinity may necessitate changes to these procedures. Maintaining the proper initial and ongoing pool water chemistry, brushing the surface, a good pool cleaning system, and regular equipment maintenance are vital to achieve the anticipated lifespan of the finish.

# ALWAYS ADD A CHEMICAL TO WATER NEVER WATER TO THE CHEMICAL POOL FILLING DAY

- 1. Make sure the pool filtration equipment is operational.
- 2. Place a clean cloth on the end of the hose and position the hose in the deepest area of the pool to prevent damage to the surface. If a water truck is required, an initial 24 inches (60 cm) of water should be placed at the deepest area for a water cushion, followed by the water from the water truck cascading into the accumulate water.
- 3. Fill the pool to the middle of the skimmer (or operating water level) without interruption as rapidly as possible with clean potable water to help prevent a bowl ring, and to decrease shrinkage cracking.
- 4. Do not allow any external sources of water to enter the pool to help prevent streaking. It is not recommended to swim in the pool until the water is properly balanced and sanitized.
- 5. At no time should any person or pets be allowed in the pool during the fill.
- 6. Test fill water for pH, total alkalinity (TA), calcium hardness (CH) and metals. Record test results.
- 7. Start the pool equipment filtration system immediately after the pool is full to the middle of the skimmer (or operating water level). DO NOT turn on the pool heater until the water is chemically balanced and no cloudiness ('plaster dust') remains in the pool, as per manufacturer's recommendations.

#### DAY 1

#1. Test fill water for pH, total alkalinity (TA), and calcium hardness (CH). Record test results. Step #2. High alkalinity should be adjusted downward to 80 ppm – 100 ppm using pre-diluted muriatic acid (31–33% hydrochloric acid). Always pre-dilute the acid by adding it to a five gallon (19 L) bucket of water. Step #3. Low alkalinity should be adjusted upward to 80 ppm using sodium bicarbonate (baking soda). Step #4. pH should be reduced to 7.2 – 7.6 adding pre-diluted muriatic acid (after the alkalinity is in range 80 ppm – 100 ppm).

Step #5. Low calcium hardness should be adjusted upward to 80 ppm – 100 ppm. Adjustments of hardness increaser (calcium chloride) should be dissolved and added in 10 lb. increments, with each dosage separated by several hours. Never add hardness increaser (calcium chloride) and alkalinity increaser (sodium bicarbonate) at the same time.

Step #6. Brush the entire pool surface thoroughly at least twice daily to remove all plaster dust. Wheeled vacuums or wheeled pool cleaners should not be used in the pool until after 28 days (brush vacuums or non-wheeled pool cleaners are allowed).

Step #7. Although optional, it is recommended by many to add a sequestering agent, following the manufacturer's recommended initial start-up dosage, and when used, to continue dosing at the recommended maintenance dosage thereafter.

Step #8. Continuous operation of the pumps and filtration system is mandatory for seven days, or until the plaster dust has been brushed away and filtered out, and the water is no longer cloudy (minimum of 72 hours).

Step #9. DO NOT add chlorine for 48 hours. DO NOT turn on pool heater until there is no plaster dust in the pool.

# DAY 2

Step #1. Test pool water for pH, total alkalinity (TA), calcium hardness (CH) and repeat steps of DAY 1, except for Step #7.

Step #2. Once the total alkalinity (TA) is adjusted to 80 ppm – 100 ppm and the pH is adjusted to 7.2 – 7.6, then adjust calcium hardness (CH) upward to 100 ppm – 150 ppm. Adjustments of hardness increaser (calcium chloride) should be dissolved and added in 10 lb. increments, with each dosage separated by several hours. Never add hardness increaser (calcium chloride) and alkalinity increaser (sodium bicarbonate) at the same time.

## DAY 3

Step #1. Test and adjust pH, total alkalinity (TA) and calcium hardness (CH) as per DAY 2 Step #2, and repeat Steps #6 and #8 of DAY 1.

Step #2. Add pre-diluted chlorine or liquid chlorine to 1.5 ppm – 3.0 ppm level (IMPORTANT: For salt water (SWCG) pools, do not add salt within the first 30 days).

Step #3. Brush the entire pool surface thoroughly at least twice daily to remove all plaster dust.

## **DAY 4 - 28**

# Day 4 - 7

Step #1. Test and adjust pH and total alkalinity (TA) maintaining ranges of DAY 2 Step # 2, and repeat Steps #6 and #8 of DAY 1 each day for seven days to help prevent the scaling of the pool surface.

Step #2. In-floors and directional eyeballs may be added once water chemistry is balanced.

#### Day 4

Step #1. Calcium hardness (CH) should be increased slowly (if necessary) to a minimum of 200 ppm.

Step #2. Begin adjusting the cyanuric acid (CYA) to 30 ppm- 50 ppm. Add CYA through the skimmer while the pumps and filtration system are running for a minimum of three days. After each addition brush the entirety of the interior finish. Concentrated CYA can cause pigmented finishes to discolor.

# Day 7

If there is any plaster dust remaining, remove it using a brush pool vacuum.

# Day 7 - 28

Once plaster dust is removed, and with a good pool cleaning system in place, brushing can be limited to the removal of visually observed material (leaves, dirt, etc.) or when adding chemicals. start-up procedures

# **AFTER 28 DAYS & BEYOND**

It is critical that maintenance of the finish and balanced water chemistry continue throughout the year. The pool water chemistry constantly changes and must be continually monitored and chemically adjusted.1 Especially, strive to maintain the pH and carbonate alkalinity3 (CA) in their proper ranges. A negative (-) LSI will cause leaching, etching, or discoloration of the surface. A positive (+) LSI will cause mineral scaling, metal staining, or discoloration

on the surface. The Langelier Saturation Index (LSI) must be maintained between 0.0 and +0.3 for ongoing maintenance, especially within the first six months after the initial start-up, to avoid potentially serious damage to the interior finish surface.

1 When possible, pre-dilute chemicals prior to adding into the pool water. Add chemicals while the pumps are running, and when possible, in the deep end away from benches, steps, and suction lines, followed by brushing of the area to disperse the chemicals. Chemical feeders should be installed and maintained in a manner that does not allow chemicals to enter the pool in concentrations that would cause deterioration, color loss, discoloration, or scaling of the interior finish. Always follow the manufacturer's and/or plasterer's recommendations and instructions. Always add a chemical to water, never water to the chemical.

2 **CAUTION:** Research has shown that cyanuric acid (CYA) levels of 100 ppm (mg/l) and above may cause permanent deterioration to the pool surface. High cyanuric acid levels may require the CYA test to be diluted to calculate an accurate reading. CYA readings near 100 ppm should be retested using a solution that is diluted by 50% with tap or bottled water, then multiplied by 2, to reach the corrected CYA level. If the reading is still near 100 ppm after using a 50% dilution, it is recommended to drain the pool and/or treat the water to within the normal operating range for CYA (30 ppm – 50 ppm).

3 Total Alkalinity (TA) – 1/3 Cyanuric Acid = Corrected or Carbonate Alkalinity (CA) • Free Chlorine = 1 ppm to 3 ppm • Total Chlorine = 1 ppm to 3 ppm • Sequestering Agent = as per manufacturer recommendations • pH = 7.2 to 7.6 • Carbonate Alkalinity = 80 ppm to 120 ppm 3 • Calcium hardness = 200 ppm to 400 ppm • Cyanuric acid = 30 ppm to 50 ppm (ideal operating range)2 • TDS = 300 ppm to 1800 ppm (non-salt pools) • Salt Level = as per manufacturer recommendations (salt chlorination ONLY)

These procedures are sound technical practices in the industry and are advisory and non-binding. The National Plasterers Council does not regulate, control, or monitor the acts of its members or others in terms of conformance to any of the guidelines, recommendations, or other information contained in these technical procedures.

#### **Maintenance Instructions for Pool Tile**

Pool tile should be brushed or scrubbed as part of a weekly pool maintenance program. Avoid the use of pumice stones or wire brushes, which can damage tile surfaces.

To remove waterline scum and grime, apply Oceancare All Purpose Cleaner & Degreaser to the tile surface and scrub with a nylon bristle scrub brush or a 3M White or Blue nylon scrub pad.

To remove mineral scale and calcium deposits, apply Oceancare Calcium Releaser to the tile surface and scrub with a nylon bristle scrub brush or a 3M White or Blue nylon scrub pad. Do not use abrasive or acidic cleaners.

# **MEDIA-BLASTING**

In cases of heavy calcium deposits, mineral scale or neglected tile, media-blasting may be necessary. Media-blasting is a process in which an abrasive material is pressurized and shot at a surface to remove heavy deposits. This is generally performed by pool tile cleaning specialists through the use of portable media-blasting equipment. An array of blasting media is available, ranging from glass bead (aggressive) to baking soda (mild). Generally, baking soda or similar hardness blasting media (i.e. kieserite) is aggressive enough to remove scale but is safe for tile (including glass tile). As with all cleaning procedures, this process should be tested in an inconspicuous area to ensure the results will meet your expectations and not damage the tile surface.

Once media-blasting is complete, pool tile installations should be sealed, protected and regularly maintained with Oceancare Products.

# **WARNING**

Certain acids will damage tile glaze and iridescent glass tile. Care should be taken to protect tile surfaces when using acids in the pool finishing process and when adding acid to the pool water. DO NOT allow products that contain hydrofluoric, hydrochloric, muriatic or phosphoric acid to come in direct contact with the tile. In the case of accidental contact, neutralize immediately with baking soda and water (1lb: 3 gallons).

NOTE: Always wear personal protection equipment, follow instructions for product use and protect surrounding surfaces when using cleaning or sealing products. Test all products in an inconspicuous area for desired effect

X		
Signature		
Name/Company		
Date		