

Pool, Spa & Fountain Finishes

DIAMOND Quartz 100% Colored Quartz Aggregate



MANUFACTURER:

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TECHNICAL DATA:

To date, no specifications have been industry approved. Our material is tested and certified by independent laboratories. All data is given in good faith, however, we reserve the right to change products and specifications without notice. SGM advises interested parties to satisfy themselves as to the accuracy of any data and seek certification if appropriate.

USES:

For new constructions and renovations (replaster). Diamond Quartz is typically added in place of marble aggregate when blending pool plaster. Diamond Quartz increases the overall strengths, reduces shrinkage, adds color and camouflages stains in a plaster mix.

CHARACTERISTICS:

- Highly durable
- Enhance the color of your pool
- Easy to maintain
- Stain resistant

CHEMICAL RESISTANT DATA:

SGM Diamond Quartz resist chemical breakdown and has been tested and proven stable in many acidic solutions.

Diamond Quartz consists of 100%, insoluble colored quartz aggregate designed to be mixed with Type I White Portland Cement. Diamond Quartz is permanently color bonded with SGM's advanced color technology. Diamond Quartz is made from one of nature's hardest and purest minerals, it will not rust, rub off or fade. Diamond Quartz is unaffected by the harshest pool chemicals and resist permanent staining.

Liquid immersion tests were conducted with the following acids at a variety of concentrations with no adverse reaction. Nitric, Chromic, Hydrochloric, Acetic, Trichloro-s-triazenetrion, Sulfuric, and Aluminum Sulfate.

SURFACE PREPARATION:

Pool surface must be free of dirt, oil, grease, or other foreign materials. Fill all hollows with SGM Sand Topping gauged with Southcrete 25 acrylic mortar additive. Re-finished pools should be undercut 2" inches below the tile line and a minimum of 1" inch around drains light fixtures and return lines. Use SGM Bond Kote as an excellent surface preparation system prior to plastering.

MIXING:

Diamond Quartz is designed to be mixed with Type I White Portland Cement as a direct replacement for a percentage or all of the marble or pool sand used in a 2-parts aggregate 1-part cement mix. A standard pool mix consists of 50-60% Diamond Quartz with the balance marble or other aggregate. For maximum color use up to 100% Diamond Quartz

APPLICATION:

Machine mixing is preferred; mix until material is free of any lumps and has a smooth consistency. Mixture should be no less than 2 to 1. Mist pool base with clean cool water to allow for proper hydration of plaster. Allow no standing water to be present when applying plaster. Apply plaster liberally with steel

trowel; using sufficient pressure to insure a good mechanical bond, apply finish to approximately 3/8" to 1/2".

INITIAL FILL and BALANCING, & OPTIMUM POOL and SPA WATER CHEMISTRY CONDITIONS

In accordance with the National Plasterers Council, Inc. ("NPC") standards, it is recommended that the following pool and spa water chemistry conditions be maintained on an ongoing basis for the longevity of interior pool and spa finishes. These values are important to prevent corrosion, deterioration, discoloration, scaling or other problems. For more information refer to your local agency having jurisdiction or NPC.

Follow recommended fill and balancing procedures to ensure a successful start-up. Fill pool completely and without interruption with clean, potable water. The use of a filter during fill is strongly recommended. The initial fill water is the most important water that the pool will receive and must be tested, recorded and adjusted according to the following parameters by an experienced pool professional. For the first thirty days (30) the pH and alkalinity must be monitored and adjusted (if applicable) every three (3) to five (5) days. All other chemicals monitored and adjusted (if applicable) every seven (7) to ten (10) days. The pool water must be tested regularly and documented monthly by a reputable company using a computerized system. Monitoring the pool water regularly will not only affect

the new finish but will keep the pool finish looking new. Improper water chemistry will void the limited residential / commercial warranty. It is recommended that a quality sequestering agent be used in the initial start-up in accordance with the manufacturer's instructions and then a recommended maintenance dosage per the sequestering agent's manufacturer instructions.

FIRST DAY: Add sequestering agent upon initial fill per manufacturer's instructions. Adjust pH to 7.2 - 7.6 and total alkalinity to 80 -120 PPM.

SECOND DAY: Record pH, total alkalinity, calcium hardness and temperature levels. Adjust pH to 7.4 - 7.6 and total alkalinity to 80-120 PPM. Dissolve all chemicals completely in water before adding to pool, and allow sufficient time for each chemical to be fully dispersed before adding other chemicals. **DO NOT ADD CHLORINE.** Brush entire surface twice daily for the first three (3) days.

THIRD DAY: Repeat steps from Second Day. Adjust chemistry to the following levels:

Free Chlorine: 1.0 - 3.0 PPM
 pH: 7.4 -7.6
 Total Alkalinity: 80 -120 PPM
 Calcium Hardness: 200 - 400 PPM
 Stabilizer: 30 - 60 PPM

Adjust pump timer to normal operating hours. Do not install automatic pool cleaners for 28 days. Do not vacuum the pool with a wheeled vacuum for 14 days. Brush the pool walls and floor daily for the first two (2) weeks.

DAILY WATER CHEMISTRY AFTER 28 DAYS
 Maintain the water chemistry using the **Langelier Saturation Index (LSI) maintained between 0.0 and +0.3.**

Description / Pool & Spa Water Levels
 Free Chlorine –
 Above 4.0ppm
 may cause corrosion 1 - 3PPM
 Total Chlorine 1 - 3PPM
 pH 7.4 - 7.6
 Alkalinity 80 - 120 PPM

Calcium Hardness 200 - 400 PPM
 Cyanuric Acid 50 - 80 PPM
 TDS 300 - 1800 PPM
 (Non-Salt Pools)
 Salt Level 2500 - 3500 PPM
 (Salt Chlorination ONLY)

Based on feedback from our customers throughout the nation. They represent an average of what has worked best for the majority and do not guarantee that you will not experience common plaster phenomenon such as staining, mottling, efflorescence and scale. Water supplies vary from one municipality to the next and therefore commonsense, experience and good testing procedures must be followed. Refer to the APSP guidelines on start up and chemistry for more detailed information.

CAUTION:
THIS PRODUCT IRRITATES THE EYES AND CONTAINS PORTLAND CEMENT.

The product is alkaline when it comes into contact with water. Avoid splashing in the eyes or contact with the skin. During mixing, avoid contact with eyes. In case such contact occurs, rinse eyes repeatedly with water and contact a doctor. Wash your hands well before smoking or eating after handling the product. Do not ingest. It contains free silica. Avoid vacuuming the dust. Prolonged exposure to the product may cause delayed lung diseases (silicosis).

WARNING: This product may expose you to chemicals, including silica, which the state of California recognizes as a cause of cancer. For more information, visit www.P65Warnings.ca.gov. Use NIOSH approved masks at all times to handle silica dust. **KEEP OUT OF REACH OF CHILDREN.**

SHELF LIFE:
 Unlimited provided material stored in dry area.

AVAILABILITY & COST:
Availability: SGM, Inc has manufacturing and distribution inventory facilities throughout the United States and abroad, allowing for timely deliveries. Contact SGM, Inc for local availability.
Packaging: multi-ply heavy duty lined bag, net wt. 50 lb. (22.7 kg). **Cost:**

Diamond Quartz is competitively priced. For specific price information, contact SGM, Inc.

WARRANTY:
 SGM warrants that its' Diamond Quartz are made of natural quartz aggregate and the ceramic color coated will not fade or react with swimming pool installation materials for a period of (10) ten years from the date of pool installation. Given that SGM does not provide installation service or prepare pool plaster mix, this warranty does not cover workmanship, reinstallation, and other manufacturer's materials or plaster surface defects. If the quartz is deemed defective, SGM will replace them at no charge. You must pay for any and all other materials cost and labor for reinstallation. It is acknowledged and understood that due to the use of natural quartz aggregate some shade variation is inherent and is not considered a defect. This warranty provides you specific legal rights, and you may have other rights that vary from state to state.

Further, this warranty does not cover damage caused either directly or indirectly by an act of God, including any natural disaster such as hurricane, earthquake, tornado, flood, lightning, hail, fire or any abnormal deterioration due to any cause including plant and animal life. Acts of negligence, misuse, abuse, vandalism, war or civil disobedience do not apply.

In no event shall SGM be liable for special, indirect, incidental, or consequential damages under tort, contract or otherwise (including without limitation loss of use) Even if SGM shall have been advised of possibility of the same. SGM's maximum liability under this warranty shall be to supply the materials necessary to repair the area of failure.

All disputes arising out of or relating to the terms and conditions of this warranty shall be interpreted pursuant of Florida law and where applicable, Federal law. Venue for all such disputes shall be in the circuit court of Broward County, FL.

This warranty constitutes the sole and

only warranty being made by SGM and may not be altered, modified or changed except by a written instrument signed by the President of Southern Grouts and Mortars, Inc. To initiate a claim, notify SGM at 1502 SW 2nd Place, Pompano Beach, FL 33069.

MAINTENANCE:

Diamond Quartz lifetime will be greatly enhanced through proper and regular maintenance. Test and record water chemistry values once a week, and adjust as indicated per water-balance table recommendations. Brush entire pool, walls and floor weekly. Remove any debris and foreign materials immediately to prevent staining. Check and maintain filter, pump motor and skimmer baskets to maintain proper flow and filtering action. If unable to perform regular weekly maintenance, the services of a qualified licensed pool service professional should be obtained.

TECHNICAL SERVICES:

Technical assistance, including more detailed information, product literature, test results, project list, samples, assistance in preparing project specifications and arrangements for job site inspection and supervision, is available by contacting Technical Services Department.

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	<p>WARNING: This product can expose you to chemicals including silica, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.</p>
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