



PRODUCT DATA SHEET

DESCRIPTION: **CrystalStones™** blends specially selected pebble aggregates and provides the proven durability of natural pebble finishes as an alternative to traditional pool plaster and exposed aggregates finishes. **CrystalStones** variety in color fast pigments and textures offer almost limitless flexibility in pool shape design. **CrystalStones** is intended for use by professional applicators, providing easy installation. The product offers:

- BENEFITS:**
- Proven Durability
 - Etch Resistant
 - Colorful, Variegated Aggregates
 - Traditional or Sprayed Applied
 - Ease of Maintenance

PREPARATION: **CrystalStones** should be applied to a sound surface free of oil, dirt, algae or any other foreign substance. Previously applied paints or sealers must be removed by acid washing and/or sandblasting. Neutralize acid with baking soda or soda ash then thoroughly rinse with water. In addition to, or in partial replacement of the procedures mentioned above, a scratch coat such as **PERMAKOTE™** or **AQUABOND™** can be used as a bond coat. Re-finished pools must be undercut at an appropriate 3" minimum distance around all tile, return lines, light fixtures and main drains. All sweepers and plumbing leaks should be repaired at least 24 hours prior to plaster application.

- MIXING:**
1. Using standard mixing equipment, it is important to blend each batch with the same amount of water and to mix each batch for the same amount of time. This is to ensure consistent color throughout the finish.
 2. Mix **CrystalStones** with approximately 1½ to 1¾ gallons of potable water per 80 lb. bag.
 3. Start the mixing procedure by adding approximately 2/3 of the total water requirements to the mixer, add **CrystalStones** then the balance of water.
 4. Mix the completed batch for at least eight 6 - 8 minutes to ensure a proper blend of all ingredients and water absorption.
 5. Box different batch #'s
 6. Before using any jobsite additives, please consult your **C.I. Industries** Product Service Representative.



APPLICATION: **CrystalStones™** may be applied by either spray or conventional methods. Apply **CrystalStones** over a lightly dampened (no standing water) surface to a uniform thickness of approximately 1/2" to 3/4". Substrate conditions will have a direct relationship on the thickness of application and coverage rates per bag. If application must be interrupted, finish to a natural break to prevent joints from showing. **CrystalStones** should be applied with shell temperatures exceeding 40° F and ambient at 50 degrees and rising.

AGGREGATE EXPOSURE: After the cement has hardened sufficiently, to prevent excessive aggregate loss, gentle brushing and controlled water flow are applied to remove the surface cement paste. A diluted muriatic acid solution is then applied to the surface to finally expose the pebble finish the following day. Care should be taken to neutralize and dispose of the acid solution in an environmentally acceptable manner.

CURING: Care should be taken to protect **CrystalStones** from rapid drying conditions such as high wind, high temperature and low humidity. Such precautions may include fogging or misting the surface or placing a protective covering over the pool. Cover should not be placed directly on pool surface.

FILLING PROCEDURES: When filling the pool it is important to do so without interruption of fill water. Fill pool as rapidly as possible. All fill hoses should have a sock or cloth on the end. Do not allow main hose length to lay on the aggregate surface, as it will leave a mark. Fill from the deepest area of the pool.

WATER CHEMISTRY: The pool water must be carefully balanced from the initial fill and constantly maintained within recommended NSPI guidelines. Maintaining proper chemical balance from first fill is essential to maximize the life of the pool surface. Please consult your CLI Industries Product Service Representative concerning start-up techniques and maintenance programs.

COVERAGE: Each 80 lb. Bag covers approximately 8 – 12 sq. feet at 1/2" thickness. Coverage rates may vary depending on method of application and condition of substrate.

PACKAGING: **CrystalStones** is packaged in 80 lb. Heavy-duty poly lined bags.

WARNINGS: Product is alkaline on contact with water. During mixing or application, avoid contact with eyes or skin. In case of such contact, flood eyes repeatedly with water and **call physician**. Do not take internally. Wear NIOSH approved mask during mixing procedures.

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