

C. L. INDUSTRIES, INC.
Product Data Sheet

CrystalStones

NATURAL PEBBLE POOL FINISHES

DESCRIPTION

CrystalStones® Collection, Natural Pebble Pool finishes are blends of specially selected natural pebble aggregates. CrystalStones® Collection provides the proven durability of natural pebble finishes as an alternative to traditional pool plaster and exposed aggregate finishes. CrystalStones® Collection of ever expanding choices of color fast pigments and textures offer the customer near limitless flexibility in poolscape design. CrystalStones® Collection is easily installed, but is intended for use by professional applicators.

BENEFITS

Proven Durability • Etch Resistant • Colorful, Variegated Aggregates
Traditionally or Spray Applied • Easy Maintenance

PREPARATION

CrystalStones® Collection 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, PERMAKOTE™ can be used as a bonding coat. Re-finished pools must be undercut an appropriate distance around all tile, return lines, light fixtures and main drains [follow APSP and/or NPC standards]. All weepers and plumbing leaks should be repaired at least 24 hours prior to plaster application. Always follow “sound technical practices” as recommended by The National Plasters (NCP), The Association of Pool and Spa Professionals (APSP), and The American Concrete Institute (ACI).

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.
2. Mix CrystalStones® with approximately 1½ to 1¾ gallons of potable water per 80 lb. bag.
3. Start the mixing procedure by adding approximately two thirds of the total water requirements to the mixer, add CrystalStones® then the balance of water.
4. Mix the completed batch for at least 8 minutes to ensure a proper blend of all ingredients.
5. Before using any jobsite additives, please consult your C.L.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 ½” - ¾”. 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 in temperatures exceeding 40° F.

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. 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, 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 the pool surface.

FILLING PROCEDURES

When filling a 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.

WATERATER CHEMISTRY

Water chemistry should be maintained within +/- 0.3 on the Langelier Saturation Index. Chlorine should not exceed 3 PPM and Cyanuric acid levels should not exceed manufacturers' 40 to 60 PPM recommendations. For more information on chemical balance and the Saturation Index see recommendations from the NPC, National Plasterers' Council, www.npconline.org and APSP, Association of Pool & Spa Professionals, www.theapsp.org. Failure to monitor and maintain proper chemical balance will result in equipment damage as well as surface deterioration. Maintaining proper chemical balance is essential during the initial curing phase as well as routine maintenance to maximize the life of the pool surface. Please consult your C.L. Industries Product Service Representative concerning start-up techniques and maintenance programs.

COVERAGE

Each 80 lb. bag covers approximately 14 - 20 sq. feet at 3/8" thickness. Coverage rates may vary depending on method of application and condition of substrate.

PAPACKAGING

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.

