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**EPOXY & FIBERGLASS FLOORING, SEAMLESS FIBERGLASS WALL SYSTEMS, SEALERS,  
HIGH PERFORMANCE COATING SYSTEMS, AND INDUSTRIAL CLEANERS**

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## **SYSTEM BULLETIN**

### **SANDROCK BROADCAST QUARTZ SEAMLESS EPOXY FLOORING**

**DESCRIPTION:** "SANDROCK" flooring is a multi layer laminate of epoxy and sized color aggregates finished in a variety of thickness and top textures for different intended end uses. The types and styles are dependent on the construction of the base layers for thickness and the construct of the top layers for surface texture. For more specific information please refer to surface installation and specification guidelines. SANDROCK VE and PE are sandrock style floor surfaces made from (respectively) vinyl ester or polyester resins. The choice of resin will be dependent on the actual chemical resistance that the surface needs to withstand.

**BASE CONSTRUCTION-COLOR QUARTZ:** The system base provides strength, impact resistance, and ultimate surface thickness. In all cases proper surface preparation; priming with a suitable penetrating epoxy primer is recommended.

**SANDROCK-I:** consists of one layer of 100% SOLIDS CLEAR EPOXY is applied with a v notch trowel at an application rate of 125sqft/gal, back rolled smooth and then into which premixed colored quartz is broadcast until the top epoxy surface is overfilled with quartz. This is allowed to harden, the excess quartz is removed and a second layer of 100% SOLIDS CLEAR EPOXY is applied at 125 sqft/gal and a second quartz broadcast is applied. Once this hardens and the quartz is removed the specified top surface may be applied. Final surface thickness is 1/8".

**SANDROCK-II:** Consists of a 1/8" thick TROWELRITE EPOXY AGGREGATE surface troweled smoothed (and/or pitched if required). Over this is broadcast the colored quartz and then the topping system is applied. Finished thickness of the surface is 3/16-1/4".

**SANDROCK-III:** Consists of a 1/4" thick Trowelrite surface over which a quartz broadcast is applied and topped. The final surface thickness is 5/16".

**TOP SURFACE CONSTRUCTION:** Either 100% SOLIDS EPOXY, CLEAR ALIPHATIC URETHANE or a combination of these may be used to provide the top surface. Surfaces may be constructed to be slip resistant or smooth depending on the choice of top surface constructions.

**ROUGH:** constructed with either one top coat of 100% SOLIDS EPOXY applied at 125-135 sqft/gal or two coats of #2200 ALIPHATIC URETHANE applied at 250sqft/gal each. Ideals for always-wet areas e.g. shower rooms.

**STANDARD COMMERCIAL:** constructed with either two top coats or 100% SOLIDS EPOXY applied at 150-250 sqft/gal or one top coat of epoxy applied at 125 sqft/gal and two coats of #2200 ALIPHATIC URETHANE . Ideal for bathrooms, kitchens, locker rooms, etc.

**SMOOTH:** constructed with two coats of 100% SOLIDS EPOXY each applied at

125-150 sqft/gal followed by one coat of #2200 ALIPHATIC URETHANE. Ideal where easier cleaning is important.

**USES:** The SANDROCK SYSTEM provides the customer with considerable latitude, looks, durability and slip resistance in specifying a topping. A review of the types of service for which different floor toppings would be useful is found in the "industrial floor toppings" table in the booklet. This should be reviewed before thickness is specified. Top profiles are generally specified based on how wet the area will be. In general

**MATERIAL CHOICES:** The materials chosen for the construction will greatly effect the cost of the surface and should be specified with the areas use in mind. Briefly #2200 URETHANE is used as a topcoat for outstanding shine, solvent and stain resistance, and UV stability. #3100 EPOXY is general-purpose epoxies well suited for base construction in commercial areas but poorly suited for topcoat construction. #4100 is odorless and has excellent stain and chemical resistance, good wear resistance, and good light resistance. It is an ideal odorless topcoat choice. #5100 offers exceptional acid and chemical resistance and is often chosen for laboratory floor topping systems. Construction of the SANDROCK SYSTEMS with #4100 is an USDA approved surface. For more specific information consult the product bulletins. For the SANDROCK VE and PE ( VINYL ESTER OR POLYESTER CONSTRUCTION) consult your dealer for recommendations for whatever chemical resistance is required.

NOTE: TO THE BEST OF OUR KNOWLEDGE, THE INFORMATION CONTAINED HEREIN IS ACCURATE. HOWEVER C.D. PRODUCTS INC. ASSUMES NO LIABILITY WHATSOEVER FOR THE ACCURACY OR COMPLETENESS OF THE INFORMATION CONTAINED HEREIN. THE FINAL DETERMINATION OF SUITABILITY OF ANY MATERIAL IS THE SOLE RESPONSIBILITY OF THE USER. ALL MATERIALS MAY PRESENT UNKNOWN HEALTH HAZARDS AND SHOULD BE USED WITH CAUTION. ALTHOUGH CERTAIN HAZARDS ARE DESCRIBED HEREIN, WE CANNOT GUARANTEE THAT THESE ARE THE ONLY HAZARDS, WHICH EXIST.