

TECHNICAL DATA SHEET

SaniQuartz

PRODUCT DESCRIPTION

SaniQuartz is a decorative, sanitary, seamless flooring system utilizing SaniCoat 150 clear epoxy resin and decorative colored quartz aggregates. Quartz aggregate is broadcasted into unset epoxy twice, followed by clear topcoats. This provides a protective surface that is aesthetically pleasing. This system will provide excellent wear, staining and chemical resistance at 1/16" or 1/8" thickness. Standard surface texture is non-slip and can be varied per specifications. If desired, an optional seamless, sanitary integral cove base can also be incorporated into the SaniQuartz system. For increased chemical and abrasion resistance, an optional SaniThane high performance urethane topcoat may be applied.

ADVANTAGES

- Aesthetically pleasing appearance
- Durable and chemical resistant
- High gloss
- Variable non-slip finish
- Excellent clarity
- Unlimited color options
- USDA acceptable, zero VOC's
- Easy maintenance

TYPICAL APPLICATIONS

- Commercial kitchens
- Animal care facilities
- Cafeterias
- Fire stations
- Locker rooms and restrooms
- Labs and clean rooms
- Traffic Aisles and Manufacturing Areas
- Most applications where aesthetics or durability are important

COLORS

See SaniQuartz Color Selection Guide. SQ1-SQ12

TECHNICAL DATA @ 1/8"

Compressive Strength ASTM C 579	12,000 psi
Tensile Strength ASTM D 638	5,000 psi
Elongation at break ASTM D 638	2.89%
Abrasion Resistance CS-17 Wheel, 1kg load ASTM D 4060	0.26gm loss
Water Absorption Two hour boil ASTM D 570	0.05%
Flexural Strength ASTM D 790	4,500 psi
Shore D hardness ASTM D 2240	95
Heat Distortion Temp ASTM D 648	120 deg. F
Bond Strength to Concrete 350 psi	100% concrete failure

HEALTH AND SAFETY

Appropriate health and safety information can be found in the Material Safety Data Sheets for the components of this coating system.

SANICRETE

THE SANITARY SEAMLESS SOLUTION

CHEMICAL RESISTANCE

Water (fresh & salt)excellent
Moderate concentrations of acids.....excellent
Most alkalis.....excellent
Oils/grease.....excellent
For specific information of various chemical reagents, refer to CHEMICAL RESISTANCE GUIDELINES.

SURFACE PREPARATION

SaniCoat flooring systems require a structurally sound and clean substrate free of oils, grease, wax solvents, curing membranes and any other contaminants. Concrete substrates must be fully cured prior to the application of SaniCoat. Shot blast concrete to provide an open surface and to remove fines, laitance and unsound concrete. The prepared concrete shall have a minimum surface profile equal to 40-60 grit sandpaper.

APPLICATION SUMMARY

1. Prepare substrate properly per specifications described above.
2. Pre-mix the part A resin component (150P only)
3. Combine one (1) part B hardener with two (2) parts A resin in a clean dry mixing container (be sure to add the B hardener component first). Mix thoroughly with a Jiffler type mixer and a low speed (450 rpm) ½” electric drill for 2-3 minutes (accurate measuring and thorough blending is mandatory).
4. Immediately pour the blended material on the floor at your starting point in a 6-8” wide ribbon. Use a serrated edge squeegee to spread the material to approx. 100 sfg. Finish-roll the material with a short nap (3/8”) shed resistant roller cover with a phenolic core. Allow coating to “relax” for 5-10 minutes.
5. While coating is wet, broadcast SaniQuartz decorative sand into the coating to full rejection (no wet spots) at approx. 0.35lb/sf. Allow coating to cure; sweep and vacuum surface to remove excess aggregate.
6. Inspect surface. Lightly sand high spots if needed.
7. Repeat steps 2 through 6 to achieve 1/8” system (ideal).
8. Apply a top coat with a flat edged squeegee at approx. 100-110 sfg. Finish roll the material with a short nap (3/8”) shed resistant roller cover. Do not allow puddling.
9. If desired (within 24 hours), additional SaniCoat 150 topcoats may be applied at 100-250 sfg. to achieve a smoother finish. For increased chemical and abrasion resistance, optional SaniThane may also be applied as a

final coat. If after 24 hours, abrade surface with 60-80 grit sand paper to create a proper profile for adhesion.

TEMPERATURE

Throughout the application and curing process, substrate temperature should be 50-90 degrees F. Surface temperature must be at least five (5) degrees above dew point. Applications on concrete should occur while temperature is falling to lesson out-gassing.

CLEANUP

Clean up mixing and application equipment immediately after use. Use toluene or xylene. Observe all fire and health precautions when handling or storing solvents.

CLEANING AND MAINTENANCE

Epoxy flooring systems take from two (2) to seven (7) days to reach their maximum degree of cure (depending on temperature). Thus, optimum chemical and abrasion resistance properties are not necessarily present during the first 48 hours after installation. Use extra care and do not expose the floor to any chemicals during this “break-in” period. The lifetime of an epoxy floor will be directly proportional to how well it is cleaned. Dust and dirt act as an abrasive on epoxy flooring. This will lead to a dull finish if not removed on a regular basis.

LIMITED WARRANTY

Neither seller nor manufacturer has any knowledge or control concerning the purchaser’s use of the system/product. The seller or manufacturer with respect to the results of any use of the product makes no express warranty. NO IMPLIED WARRANTIES, INCLUDING BUT NOT LIMITED TO AN IMPLIED WARRANTY OF MERCHANTABILITY, OR AN IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE ARE MADE WITH RESPECT TO THIS SYSTEM/PRODUCT. Neither seller nor manufacturer assumes any liability for personal injury, loss, or damage resulting from the use of this product. In the event that the product shall prove defective, buyer’s exclusive remedy shall be as follows: Seller or manufacturer shall, upon written request of buyer, replace any quantity of the system/product which is proven to be defective or shall at its option, refund the purchase price for the system/product upon return of the system/product. SPECIAL NOTE: The Company reserves the right to alter or discontinue the system/product described herein at any time.