

TECHNICAL DATA SHEET

SaniFlake

PRODUCT DESCRIPTION

SaniFlake is a decorative, sanitary, seamless flooring system utilizing SaniCoat 150/150P epoxy resins and decorative colored vinyl flakes. The vinyl flakes are broadcasted into unset epoxy to full rejection, followed by a clear topcoat. This provides a protective surface that is aesthetically pleasing. This system will provide good wear, staining and chemical resistance at 1/16" 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 SaniFlake system. Additional topcoats may be applied to vary texture. Optional SaniThane may also be applied to increase chemical and abrasion resistance.

ADVANTAGES

- Aesthetically pleasing
- Durable and chemical resistant
- High gloss
- Non-slip finish
- Decorative "granite" look
- Unlimited color options
- Easy maintenance

TYPICAL APPLICATIONS

- Laboratories and clean rooms
- Showrooms
- Locker rooms
- Offices and lobbies
- Garages, workshops and basements
- Animal care facilities
- Many applications where aesthetics and slip resistance are important

COLOR SELECTIONS

12 Pre-blended vinyl chip combinations. See SaniFlake Color Selection Guide. Custom color blends available.

PHYSICAL PROPERTIES @ 1/8"

Compressive Strength ASTM C 579	10,000 psi
Tensile Strength ASTM D 638	5,500 psi
Elongation at break	8.7%
Abrasion Resistance CS-17 Wheel, 1000 gm load ASTM D 4060	.07 gm loss
Water Absorption Two hour boil ASTM D 570	0.04%
Flexural Strength ASTM D 790	6,500 psi
Shore D hardness ASTM D 2240	95
Heat Distortion Temp ASTM D 648	115° F
Bond Strength to Concrete	100% concrete failure

CHEMICAL RESISTANCE

- Water (fresh & salt)
- Moderate concentrations of acids
- Most alkalis
- Oils/grease

For specific information of various chemical reagents, refer to CHEMICAL RESISTANCE GUIDELINES.

HEALTH AND SAFETY

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

SANICRETE

THE SANITARY SEAMLESS SOLUTION

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 concretes shall have a minimum surface profile equal to 40-60 grit sandpaper.

APPLICATION SUMMARY

1. Prepare substrate properly per specifications provided above.
2. Apply SaniCoat 150P as a primer by combining one (1) Part B hardener with two (2) Part 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).
3. Immediately pour the blended material on the floor at your starting point in an 8" wide ribbon. Use a flat-edged squeegee to spread the material to approximately 175-200 sfg. Finish roll the material with a short nap 3/8" shed resistant roller cover. Allow to cure.
4. Within 24 hours, apply SaniCoat 150 as a body coat using a serrated edged squeegee. Spread the material to approx. 150 sfg. (12 mils). Finish roll the material with a short nap (3/8") shed resistant roller cover. Allow coating to "relax" for 5-10 minutes.
5. While coating is wet, broadcast SaniFlake decorative chips at approx. 8-10lb/sf. into coating to full rejection (no wet spots). Allow coating to cure, then lightly sand surface using a floor finisher with a 100 grit sanding screen to loosen any partially set flakes. Sweep and vacuum surface thoroughly to remove loose flakes and debris. A 14" floor scraping method can be used in lieu of the sanding method.
6. Repeat steps 4 through 5 to achieve 1/8" system (ideal).
7. Apply a top coat of SaniCoat 150 with a flat-edged squeegee to approx. 100-110 sfg. Finish roll the material with a short nap (3/8") shed resistant roller cover. Do not puddle.

If desired (with 24 hours), additional SaniCoat 150 topcoats may be applied with a flat edged squeegee

to achieve a smoother finish. For increased abrasion and chemical resistance, a coat of SaniThane may be applied. If after 24 hours, abrade surface with 100 grit sand paper or screen to create a proper profile for additional coat adhesion. Applications on concrete should occur while temperature is falling to lessen 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.