

Selection & Specification Data

Generic Type	Cross-linked epoxy
Description	A clear floor finish into which colored quartz aggregate is broadcast. Provides a seamless, impermeable floor topping with an anti-slip finish, yet is very cleanable.
Features	▪ Good chemical resistance ▪ Excellent abrasion resistance ▪ Available in a variety of quartz color blends ▪ Meets most VOC (Volatile Organic Content) regulations
Recommended Uses	As a floor finish for use on floors where appearance, cleanability and anti-slip properties are important such as wet process areas in bottling plants, institutional kitchens, pharmaceutical plants and locker rooms.
Not Recommended For	Exposure to strong acids or solvent exposure.
Colors	Clear
Finish	High gloss (neat resin)
Solids Content	By Volume: 99% $\pm$ 1%
Theoretical Coverage Rate	52 ft ² /gal of resin fully saturated with colored quartz aggregate at 100 mils (2500 microns) Mixing and application losses will vary and must be taken into consideration when estimating job requirements.
VOC Values	As supplied: 0.0 lbs/gal (0.0 g/l) Thinned: Not recommended These are nominal values.
Dry Temp. Resistance	Continuous: 150°F (66°C) Non-Continuous: 180°F (82°C)

Typical Chemical Resistance

Exposure	Splash & Spillage	Fumes
Acids	Fair	Good
Alkalies	Good	Very Good
Solvents	Good	Excellent
Salt Solutions	Excellent	Excellent
Water	Excellent	Excellent

Substrates & Surface Preparation

Substrates	Apply over properly prepared concrete or recommended surfacers or patching compounds.
Compatible Coatings	May be used with a variety of epoxies and polyurethane sealers and topcoats. Contact Technical Service for specific recommendations.
Surface Preparation	Remove all oil or grease from the surface to be coated with Carboline Surface Cleaner 3 (refer to Surface Cleaner 3 instructions). See ASTM D4258 for further information.
Concrete	Concrete must be cured at least 28 days at 70°F (21°C) and 50% RH or equivalent time. Remove fins and other protrusions by stoning, sanding or grinding. Abrasive blast per ASTM D4259 to open all surface voids and remove all form oils, incompatible curing agents, hardeners, laitance, and other foreign matter and produce a surface texture similar to that of a medium grit sandpaper. Voids in the concrete may require surfacing. Blow or vacuum off sand and dust. Note: Do not apply material if the moisture content of the concrete exceeds 15%.

Sanitile 925

Application

Apply a primer/tack coat of Sanitile 925 by roller at a rate of 160 ft²/gal (3.9 m²/l). After 30 minutes and while still tacky, apply the system as follows:

1. Using a notched squeegee apply a 30 mil nominal thickness (50 ft²/gal) to the floor.
2. Within 30 minutes broadcast the pre-blended colored quartz aggregate into the wet film to full saturation. Quartz should be clean, dry and 30-40 mesh.
3. Allow to cure overnight and sweep off the excess quartz.
4. Slightly disc sand with 70-80 grit sandpaper to remove protruding aggregate and/or other protrusions.
5. Seal with Sanitile 925 applied at 12-15 mils dry film thickness (110-135 ft²/gal) to produce the desired degree of anti-slip. Apply using notched squeegee and backrolling with ¼-3/8" nap roller works best.

Mixing & Thinning

Mixing Power mix each component separately, then combine and power mix.
DO NOT MIX PARTIAL KITS.

Ratio 2:1 Ratio (A to B) – 3 gallon kit
10:5 Ratio (A to B) – 15 gallon kit

Thinning Do not thin.
Use of thinners other than those supplied or recommended by Carboline may adversely affect product performance and void product warranty, whether expressed or implied.

Pot Life 30 minutes at 70°F (21°C) and less at higher temperatures. Working life is substantially extended when spread out.

Caution: Product exotherms at the end of its pot life. Unused material will become extremely hot and will generate smoke and fumes. Material will start to thicken at the end of its pot life which is an indication of the start of the exotherm. Immediately spread the material out on an appropriate surface or add sand or other suitable heat sink to the unused material to reduce the severity of the exotherm. Take appropriate precautions against breathing fumes.

Cleanup & Safety

Cleanup Use Thinner #2. In case of spillage, absorb and dispose of in accordance with local applicable regulations.

Caution Read and follow all caution statements on this product data sheet and on the MSDS for this product. Employ normal workmanlike safety precautions. Use adequate ventilation and wear gloves or use protective cream on face and hands if hypersensitive. Keep container closed when not in use.

Application Conditions

Condition	Material	Surface	Ambient	Humidity
Normal	70°-80°F (21°-27°C)	70°-80°F (21°-27°C)	70°-80°F (21°-27°C)	40-60%
Minimum	60°F (16°C)	55°F (13°C)	50°F (10°C)	0%
Maximum	90°F (32°C)	90°F (32°C)	90°F (32°C)	80%

Do not apply or cure the material when the surface temperature is less than 5°F (3°C) above the dew point.

Special application techniques may be required above or below normal application conditions.

Drying Times

At a surface temperature of 70°F (21°C). Excessive thickness, insufficient ventilation or cooler temperatures will require longer cure times and could result in premature failure.

Dry to light foot traffic: 40 hours

Full cure: 7 days

Packaging, Handling & Storage

Shipping Weight	<u>3 Gallon Kit</u>	<u>15 Gallon Kit</u>
925 (Approximate)	33 lbs (15 kg)	134 lbs (68 kg)

Flash Point (Setaflash) 925 Part A: >300°F (>148°C)
925 Part B: >200°F (>93°C)

Storage (General) Store Indoors.

Storage Temperature & Humidity 40° - 90°F (4°-32°C)
0-80% Relative Humidity

Shelf Life 24 months when stored indoors at 75°F (24°C)

***Shelf Life: (actual stated shelf life) when kept at recommended storage conditions and in original unopened containers.**



350 Hanley Industrial Court, St. Louis, MO 63144-1599
314/644-1000 314/644-4617 (fax) www.carboline.com

An **RPM** Company

April 2006 replaces August 2005

To the best of our knowledge the technical data contained herein is true and accurate on the date of publication and is subject to change without prior notice. User must contact Carboline Company to verify correctness before specifying or ordering. No guarantee of accuracy is given or implied. We guarantee our products to conform to Carboline quality control. We assume no responsibility for coverage, performance or injuries resulting from use. Liability, if any, is limited to replacement of products. NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE BY CARBOLINE, EXPRESS OR IMPLIED, STATUTORY, BY OPERATION OF LAW, OR OTHERWISE, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Carboline® and Sanitile® are registered trademarks of Carboline Company.