



Protective Finishes, LLC

**PRAETORIAN**<sup>TM</sup>

## SENTRY Mop-on Catalyzed Floor Finish High Performance Terrazzo & VCT Sealer



### PRODUCT ADVANTAGES

#### MOP-ON Application

With SENTRY, there is no learning curve. Move right from traditional acrylic finishes to using SENTRY. Use a micro fiber flat mop for a smooth and easy application.

#### High Gloss Finish

The best flat mop finish for fast gloss. Upon application, SENTRY will have a 50-60° gloss. After a quick two polishing passes with a burnisher and a 1500 - 3000 diamond pad the gloss will reach between 70-80° gloss on VCT and higher on terrazzo. SENTRY has a long lasting gloss finish, typically lasting 8-10 times longer than other two component sealers.

#### Only Two Coats

The high solids formulation will provide maximum protection and gloss in only two coats.

#### Fast Leveling / Fast Dry / Fast Polish

Resists mop streaking and lines. SENTRY levels immediately off the mop, making it the choice for any application. Large open area, no problem. Heavy air flow, not a problem. The first coat will dry in approximately 15-20 minutes. The second coat dries in 20-40 minutes. After the two coats of SENTRY are dry, the burnish response is outstanding, allowing for the fastest floor turn-time and maximum protection.

### Durability and Chemical Resistance

SENTRY has excellent scratch and mar resistance. SENTRY provides maximum protection with minimal maintenance. The chemical resistance is outstanding and hand sanitizer will not leave 'white spots' on the floor. Minor blemishes are easily polished away without sacrificing durability of the finish.

Save money, save maintenance, save time. SENTRY Mop-on Floor Finish is the answer the challenges of VCT and terrazzo floors. SENTRY is non-yellowing and low odor, making it suitable for most environments. Coverage per one (1) gallon kit is 1600-1800 square feet.

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#### BEYOND GREEN - SINCE 2003

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Item # CF-1125 / SENTRY Mop-on Urethane Floor Finish



## SENTRY Mop-on Catalyzed Floor Finish High Performance Terrazzo & VCT Sealer

### Physical Properties & Resistances

<b>Finish Type</b>	High performance 2-part urethane
<b>Application Method</b>	Micro fiber flat mop
<b>Dry time</b>	20-40 minutes, per coat
<b>Coats recommended</b>	2
<b>Solids - by volume % (catalyzed)</b>	25 ± 0.5%
<b>Pot-life</b>	8 hrs, at room temperature
<b>Coverage</b>	1600-1800 SF per gallon kit
<b>Weight per gallon (catalyzed)</b>	8.55-8.60
<b>VOC's</b>	< 1% Consumer Goods Regulations / < 100 g/l Architectural Regulations
<b>Gloss @ 60° angle</b>	70-80° polished, two passes
<b>Blush Resistance</b>	Excellent
<b>Cure Cycle (average)</b> <b>Note: minor scuffs or mar that may occur are easily repairable with quick polish</b>	2 hrs dry, no polish - 50-60%
	2 hrs dry, with polish - 75%
	6-10 hours, with or without polish 80-85%
	36-48 hours - 90-95% cured
<b>5 days - Full cure</b>	
<b>Scuff/Mar Resistance &amp; Repair</b>	Excellent
<b>Black Heel - Resistance &amp; Release</b>	Excellent
<b>Adhesion (crosshatch test)</b>	Pass 100%
<b>SCOF</b>	ADA Compliant: >0.60
<b>Hardness</b>	8-9H (Pencil)
<b>Impact resistance</b>	Flexible - No cracking

### Chemical Resistance

<b>Betadine (15 min spot)</b>	Minor effect, slight stain
<b>Chlorine Bleach</b>	NE
<b>Citrus Based Cleaner</b>	NE
<b>Cleaner - Acid Based</b>	NE
<b>Cleaner - amine base, concentrate</b>	Minor effect, recovered
<b>Hand Sanitizer - foam</b>	Minor effect, repaired w/polish
<b>Hand Sanitizer - gel-type</b>	NE
<b>Hydrogen Peroxide</b>	NE
<b>IPA (70%) (15 min. spot)</b>	Slight effect, recovered
<b>Mustard, Yellow</b>	Minor effect, very faint stain
<b>Red Wine</b>	Minor effect, clean non-amine cleaner, very faint stain, repairable
<b>Water, early resistance (&lt;12 hrs)</b>	NE
<b>Vinegar, apple cider</b>	Minor effect, repaired w/polish



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### Application Instructions

For best results, it is recommended that the surface be stripped, cleaned, dry and dull to ensure proper adhesion and best appearance of Sentry Floor Finish.

1. Remove all furniture and obstructions from the room.
2. Remove existing finishes with U2O Remover or LiftOff Acrylic Remover "Prepare the Surface" guide for details.
3. For faster gloss build (optional step), burnish the bare floor with a 400 grit diamond pad with high speed burnisher twice, opposite directions. This step will 'lock-up' some of the porosity of the terrazzo or VCT, resulting in a higher gloss upon completion.
4. After preparation is complete, with a clean damp micro fiber mop, mop in two directions; north/south then east west. This will remove any small particles and dust from burnishing.
5. Tape doorway edges or any other areas to protect from finish drips or smears.
6. Open the gallon Part A container.
7. Pour 16 oz. Part B into Part A.
8. Replace cap and gently agitate with a rocking motion the Sentry gallon container.
9. Pour a puddle of the catalyzed Sentry on the floor.
10. Place the clean/dry micro fiber mop in the puddle of finish. Move the mop head back and forth into the puddle until the mop is completely saturated (primed) with floor finish.
11. Pour a controlled amount of Sentry on the floor and apply either in a figure-8 or t-bar method. Note: Apply product very thinly, approx. 1 mil (coverage 1600-1800 SF/gal). CAUTION: Overbuild can result in extended dry times, pooling in low areas, and surface flash drying.
12. Wrap mop head in plastic bag. Set aside the mop for applying the 2nd coat of finish.
13. Allow Sentry to thoroughly dry. Dry times will vary based on temperature, humidity, and air movement.
14. Apply a second coat, of Sentry with the primed out micro-fiber mop.
15. Allow to finish to dry.
16. Polish the area with a 1500 or 3000 grit diamond pad, twice, opposite directions.
17. With a clean and dry micro fiber mop, dust mop floor twice in opposite directions.

**The floor is now ready. Daily clean with CLN-100 Daily & All Purpose Cleaner. Protect heavy traffic area with matting. Use floor protection pads under desk chairs. Use chair leg protectors.**



## SENTRY Mop-on Catalyzed Floor Finish High Performance Terrazzo & VCT Sealer

### Daily Maintenance & Repair Tips

**Daily cleaning:** Maintain SENTRY using CLN-100 at 1 oz. per gallon of water.

**Pads recommended for daily cleaning:** Use nonabrasive type pads. The softer and non-abrasive the pad, the longer the finish will last. Abrasive pads contribute to the degradation of the film layer of SENTRY. Use more aggressive pads only in deep scrub and/or repairs.

**Repairing minor scratches:** Start with a 3000 grit diamond pad. With a high speed burnisher, move back and forth across the area around the blemished area. If the 3000 pad is not coarse enough to remove deeper scratches, switch to a 1500 grit diamond pad. Dust mop the area with a clean micro fiber flat mop, twice in opposite directions.

**Repairing deep scratches without stripping finish:** Occasionally, there will be a need to repair areas where deep scratches have occurred. If the scratch and/or gouge is deep into the floor, extra steps are expected to 'blend' the damaged area into the existing finished area. Equip a 200 grit diamond pad on a high speed burnisher. Quickly move the burnisher back and forth until the gouge is blended into the existing floor area. The 200 grit pad will be aggressive enough to cut through the finish while at the same time keeping the edges around the area feathered out, aiding in an easier transition of finish reapplication.

When the gouge is blended, follow up with conditioning the area with a 400 or 800 grit pad on the burnisher. This step will decrease the porosity of the surface in the repaired area, allowing for the new finish to blend more closely to the adjacent finished area. Next, visually section off an area around the repaired area for finish re-application. Follow the standard preparation and application procedures for the SENTRY. After the finish is applied and dry, use a 1500 or 3000 grit diamond pad on burnisher to blend the old and newly finished areas.

**Chemical blemishes:** Occasionally, chemicals can blemish an area of the floor, this is most common with foam based hand sanitizer. After the chemical has been gently wiped away, allow the finish to recover and set. Then, with the CLN-100, mixed at 4 oz. per gallon, gently wipe any greasy film residue. Allow the floor to dry. After the area has dried, with a burnisher and a 3000 grit diamond pad, re-condition the area.

**Refinishing without complete removal:** Deep scrub with CLN-100 (2 oz. per gallon water) using a 800 grit diamond pad on low speed swing machine. Rinse with clean water, use autoscrubber for best results. Dust mop the area with a clean micro fiber flat mop, twice in opposite directions.

**Complete removal and reapplication:** Use PreCept Amine Free Floor Finish Remover (CF-0921) at 4-parts water to one-part stripper. Follow standard procedures for removing floor finish removal. Reapply SENTRY.