

CrownSatin™ 8091

TECHNICAL DATA SHEET

Product Number: 8091

Revision Date: 10/01/2018

High-Performance, Clear Satin Finish, 2-part, Water-based, Aliphatic Urethane Floor Coating

DESCRIPTION

CrownSatin™ 8091– is a clear 2-component high-performance, water-based, aliphatic urethane floor coating. Commercial applications generally are recoated every 1-5 years depending on conditions. Approximately 40-60 gloss read at a 60 degree angle with good resistance to chemicals, abrasions and scratches.

CHARACTERISTICS

- VOCs less than 100 g/l
- In-use time for light foot and cart traffic of 8-12 hours (affected by air flow, temperature and humidity).
- Applied to resilient and non-resilient flooring surfaces.
- Low odor
- Interior use only
- Vertical or horizontal surfaces
- Coverage of 300 to 400 sq ft gal (depending on porosity of surface).
- Volume solids: 43%
- Does not need to be removed for re-coats
- Resistant to salt, urine, coffee, wine, cola, orange juice, disinfectants and many cleaners.
- Meets slip coefficient guidelines
- Resistant to many alcohol based sanitizers.
- Shelf life is 365 days from manufacture.

SURFACE PREPARATION

General: Remove any floor finish, soil, sealers, etc. Verify 7- 8 pH and tack the floor with microfiber flat pad and/or 3M Easy Trap Duster to remove hair, lint, etc. Dry vacuuming is a recommended floor preparation method.

Concrete: All concrete substrates must be solid, thoroughly clean and free of oil, wax, grease, asphalt, latex, gypsum and curing compounds, sealers and any contaminant that might act as a bond breaker. Mechanically clean the floor to a sound, solid concrete by shot blasting, scarifying or equivalent manner to achieve 100 to 200 grit profile.

Terrazzo: Hone to 100 -200 grit profile

Existing Coatings: Abrade with an appropriate sanding screen/ pad. Do not apply onto peeling or loose surfaces.

Second Coats or Recoats: If within 24 hours, then next coat may be applied without abrasion; after 24 hours, lightly abrade with a maroon conditioning pad; after 7 days, then clean with green scrubbing pad and Profi Cleaner by Taski; lightly abrade with 120 grit sanding screen, clean and tack.

Protect adjacent surfaces with tape and appropriate materials

CAUTION

Appearance and adhesion should be verified in a small area prior to full scale application of the coating on a commercial floor.

Use the product within 12 months of the manufacturing date.

Do not put more than two gallons in an application tub or container at one time.

Do not mix if the product temperature is over 75°F.

DO NOT PUDDLE THE PRODUCT

Verify alcohol-based hand sanitizers used in the facility and their affect on the coating before widespread usage.

DO NOT APPLY TAPE to the coating. If tape must be applied, only use light adhesive tape such as 3M's Delicate Surface Tape (2080), after testing in and out of the way area.

Prior to application, ensure the concrete's Relative Humidity (RH) is below 80%.

If the Relative Humidity is 80% or higher, then a moisture mitigation/waterproofing system is recommended.

READ AND FOLLOW the product's MSDS for safety and handling information.

MIXING AND APPLICATION

1. Drill Side A with slow speed drill for 10 seconds
2. Pour Side A and Side B into a larger container (4:1 Ratio)
3. Drill Side A and Side B with a slow speed drill for 3 minutes **No Part C; DO NOT ADD WATER**
4. Pour the entire contents into a 7-10 gallon application tub to apply the coating. Product is best applied with a Dip and Roll Method.
5. **APPLY PRODUCT WITHIN 30 MINUTES FOR BEST RESULTS**
6. Apply product with high quality, non-shed 6", 9" or 18"-3/8" nap microfiber or woven roller.
7. Application should be done with room and floor surface temperatures of 60°F and 80°F. The coatings should not be applied if the relative humidity is 80% or higher in the space to be coated. Product temperature should not exceed 75°F at application.
8. Change application tubs and rollers every 45 minutes. Apply product over wet edges within 3-5 minutes. Turn HVAC units to 72°-75°F before and during application and block cold air from blowing directly onto the coating.

- 9 **DO NOT** allow stagnant air during drying, especially in more humid and higher temperature conditions and smaller spaces such as restrooms spaces such as restrooms.

CLEANING AND MAINTENANCE

Clean as needed. Clean with a microfiber mop/flat pad and clean water. For high-soil and high demand environments, periodically allow cleaning solution to reside on floor for 10-15 minutes before removal.

For best results, clean with an auto scrubber or 175 rpm floor machine with squeegee wet vac and white pad or brush equivalent.

DO NOT BURNISH

DO NOT DRY SCRUB

DO NOT USE GREEN PAD OR MORE AGGRESSIVE PAD TO CLEAN THE FLOOR

DO NOT USE RED PAD WITHOUT WATER ON THE FLOOR

Use proper matting to keep dirt and grit off of the floor.

If a haze develops on the coating, then periodically clean with water and alkaline cleaner to remove any excess cleaner build-up.

Do not allow standing water to reside on the coating for prolonged periods of time and do not allow saturated mats that do not dry out to be on the coating for extended periods of time.

REMOVAL

The coating should not need to be removed in its normal life cycle.

Removal in small areas is best done using a water-based stripper.

Removal in large areas may not be practical.

On floors where one can use belt-sanding machines or an oscillating machine like a Square Scrub or equivalent, then this approach may aid removal of the coating (wood, concrete,

stone, and terrazzo).

MIXING INSTRUCTIONS

1. Drill Side A at slow speed for 10 seconds
2. POUR Side A and Side B into container. NO Side C, DO NOT ADD WATER!
3. DRILL slow speed for 3 minutes
4. AFTER mixing, pour into a 7-10 gallon application tub
5. APPLY within 30 minutes

DISCLAIMER

All guidelines, recommendations, statements, and technical data contained herein are based on information and tests. The accuracy and completeness of such tests are not guaranteed and are not to be construed as a warranty, expressed or implied. It is the responsibility of the user to document information and tests to determine the intent of the product for ones' own use. The application, job conditions and user assumes all risks and liability resulting from use of the product. We do not suggest or guarantee any hazards listed herein are the only ones, which may exist. Neither seller nor manufacturer shall be liable to the buyer or any third person for any injury, loss or damage directly or indirectly resulting from use of, or inability to use the product. Recommendations or statements, whether in written or verbal, other than those contained herein shall not be binding upon the manufacturer, unless in writing and signed by a corporate officer of the manufacturer. Technical and application information is provided for the purpose of establishing a general profile of the material and proper application procedures. Test performance results were obtained in a controlled environment and Crown Polymers makes no claim that these tests or any other tests accurately represent all environments. Not responsible for any typographical errors.

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