

Premium Acrylic Floor Wax: DuraWax™ by Concrete Coatings Inc. is a water-based acrylic wax designed for use as a protective coating over sealer or epoxy. It forms a 100 percent protective semi-gloss barrier that dries to a rock hard finish and provides a wear-resistant sacrificial coating that is easy to maintain. Day-to-day wear is minimal.

DuraWax™ is easily applied and can be re-coated up to 100 times without having to strip the floor. It will not powder and it can be mopped or cleaned time after time without damaging its original shine or removing its protective coating.

DuraWax™ can be used on interior or exterior masonry and concrete-type surfaces. It is perfect for commercial or residential applications and it is ideal for areas where an ongoing maintenance program is planned. It is extremely economical to use, and dries very quickly. This allows quick turnaround times. **DuraWax™** can be used on colored or uncolored, stamped or exposed aggregate concrete, porous brick, natural and manufactured stone, stucco, slate, glazed and unglazed tile, paver and flagstone.

SECTION 099723

PROTECTIVE COATINGS FOR SEALED CONCRETE

PART 1 GENERAL

1.1 SUMMARY

- A. This Section specifies a water-based acrylic floor wax for use over sealed horizontal cast-in-place concrete surfaces.
- B. Related Sections: Refer to the following specification sections for coordination.
 - 1. Section 033000 - Cast-In-Place Concrete.

1.2 SUBMITTALS

- A. Product Data: Submit manufacturer's product data and installation instructions.
- B. Mock-Up: Prepare a test area minimum 2 by 2 feet in size to verify suitability of the protective acrylic wax coating and final appearance.

1.3 QUALITY ASSURANCE

- A. Manufacturer: Minimum 10 years experience producing concrete coatings.
- B. Installer: Licensed installers, experienced and trained in the use of specified products.
- C. Suitability of Substrate: Do not apply to concrete surfaces which may have insufficient chemical reaction, including older or weather concrete, concrete subject to runoff or weathered concrete, or heavily sandblasted concrete.
- D. Regulatory Requirements: Comply with requirements of authorities having jurisdiction and applicable codes at the location of the project.

1.4 DELIVERY, STORAGE AND HANDLING

- A. Deliver materials and products in unopened factory labeled packages. Protect from damage.
- B. Store in a safe place, out of direct sunlight. Keep containers tightly sealed. Do not allow product to freeze. Use within manufacturer's recommended shelf life, 12 months.

PART 2 - PRODUCTS

2.1 MATERIALS

- A. Semi-Gloss Acrylic Wax Coating: CCI DuraWax by Concrete Coatings Inc., 1105 North 1600 West, Layton, UT 84041, 800-443-2871, www.concretecoatingsinc.com.

PART 3 - EXECUTION

3.1 INSPECTION AND PREPARATION

- A. Inspection: Prior to start of application, inspect existing conditions to ensure surfaces are suitable for installation including the following:
1. Concrete has cured for a minimum of 28 days prior to application.
 2. One or more layers of sealer or epoxy have been applied according to manufacturer's instructions before application of protective coatings.
 3. Concrete is not subject to hydrostatic pressure.
- B. Preparation:
1. Clean surfaces as recommended by manufacturer.
 - a. Remove all efflorescence, oil, dirt, wax, old paints, sealers, and curing compounds. Remove old waxes and finishes, re-seal concrete surfaces and allow to dry prior to waxing. Pressure washing and power scrubbing may be necessary.
 - b. If soaps and detergents are used for cleaning, select one that will not leave residue, such as TSP or manufacturer approved equivalent.
 2. Allow the surface to dry at least 24 hours. Sealed or epoxy application area must be completely clean and dry to the touch. If waxing over grouted tile, the grout must be absolutely clean and dry before application.
 3. If this is the first wax application, buff surface and slightly abrade surface before application of the first coat, especially if waxing over dense surfaces, such as glazed tile, marble or granite, dense brick, dense slate, or terrazzo and when applying over a high-gloss epoxy sealer.
 4. Prepare test area and receive approval prior to full application.

3.2 APPLICATION

- A. Acrylic Floor Wax: Strictly comply with manufacturer's installation recommendations including the following.
1. Apply in temperatures between 12.8 degrees C° to 26.7 degrees C (55 degrees F and 80 degrees F).
 2. Apply using a lamb's wool applicator. Do not flood coat or use a roller for application.
 3. Apply to a thickness of 1 to 3 mils wet at the rate of 1,000 to 3,000 square feet per gallon, depending on the porosity of the surface and method of application.
 4. If applied material is slightly milky and does not become transparent within a few minutes. the material is being applied too heavily. Immediately worked out area or allow to dry, then removed and reapply.
 5. Allow 30 minutes to dry between the first and second coat.
 6. For a slightly higher sheen, wait 4-8 hours and buff with a high speed floor burnisher. Use a finish buffing pad mounted to a burnishing machine capable of 1000+ rpm. Do not use standard floor buffers which do not have sufficient speed to burnish.
 7. when applying wax over an epoxy or urethane finish refer to manufacturers Technical Data for application window or call technical support for assistance (800) 443-2871

3.3 MAINTENANCE

- A. Maintenance: Inspect waxed surface should periodically for areas of traffic-worn or thin areas. Reapply as needed, buffing the existing surface before application.

END OF SECTION