



**EUCLID CHEMICAL**

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## **Maintenance Guide Euclid Chemical Epoxy & Urethane Floor Coating Systems**

Euclid Chemical supplies high performance epoxy and urethane floor coating systems that are capable of withstanding abrasion, impact, chemical spills, and thermal shock. In order to maintain a floor coating system, the following procedures are recommended.

### **Protecting Your New Floor**

On new construction and major renovation projects, it is important to recognize that the floor must be protected from other trades during the remainder of the construction process. Steps that should be taken to provide this protection are:

1. Protect the newly-installed system during the initial curing by restricting all access to the floor.
2. Allow for sufficient cure time, typically 24 to 72 hours, depending upon the system.
3. When open to traffic, cover the newly-applied floor with a suitable protection material such as construction paper, plywood, plastic sheeting, drop cloths, or cardboard to minimize abuse from other construction trades that may be operating in the area.
4. Begin a quality maintenance program as soon as possible.

By following these steps, problems associated with premature damage, the introduction of dirt, dust, and foreign debris to the floor system will be minimized. This will result in a flooring system that will be easier to clean and maintain.

### **Developing a Maintenance Schedule**

The texture of the floor system, frequency of contamination to the floor from chemicals and/or dirt, intended usage, and unexpected circumstances will all play a part in determining how often the floor must be cleaned and maintained. A floor exposed to only dirt and debris may need an occasional sweeping, whereas a floor exposed to chemical spills may require immediate cleaning to minimize staining and degradation.

Often, a combination of the following procedures will be utilized in developing a maintenance schedule. A schedule based on the individual floor and its usage needs to be established. Once a schedule is developed, it should be strictly followed. The following recommendations are based upon testing and experience of both cleaning products and methods by Euclid Chemical. Although a particular facility needs a specific floor cleaning guideline, the following recommendations should help establish a maintenance schedule.



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## **Maintenance/Cleaning Equipment**

To properly maintain and clean a Euclid Chemical flooring system, you will need some or all of the following tools and equipment:

- Mop
- Pressure washer
- Squeegees
- Wet/dry vacuum
- Industrial scrubbers
- Stiff Bristle Nylon Scrub Brush
- Rubber Gloves
- Cleaning Solutions
- Buckets and Rags

## **Cleaning Solutions**

The cleaners listed below are for use at the manufacturers recommended concentrations only. This list of cleaners is not intended to be inclusive.

- *Waffle House Floor Scrub* as manufactured by ZEP Manufacturing
- *Pine-Sol* as manufactured by Clorox Company
- *Simple Green Cleaner* as manufactured by Sunshine Makers
- *TeraZyme GP* as manufactured by Chemical Products Industries, Inc.

## **Mop Cleaning**

Mop cleaning is the most often-used method of cleaning for smooth floors. For textured floor systems, use a nylon scrub brush or broom instead of a mop. A step-by-step procedure is listed below:

1. Sweep all loose debris from floor.
2. Dilute a suitable cleaner to the manufacturer's recommended concentration.
3. Dip and ring the mop as needed to properly remove the dirt or contamination from the floor.
4. Using clean, warm water, mop the floor again. Ring the mop frequently in order to prevent detergent build up.
5. Use a wet/dry vacuum to remove excess water.



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## **Power Scrubbing**

Some floor systems can tolerate, and will require, power scrubbing. A cleaning procedure is listed below:

1. Dilute a suitable cleaner to the manufacturer's recommended concentration.
2. A rotating drum type power scrubber works best. Use a softer nylon bristle brush to achieve the desired abrasiveness without damaging the floor finish. A test area should be cleaned to evaluate any effects on the finish prior to cleaning the entire floor.
3. Let the cleaning solution do most of the work. Let it stand for five minutes and re-scrub if necessary. Do not allow the detergent to dry or build up on the floor.
4. Remove excess detergent from the floor with a wet/dry vacuum.
5. Rinse thoroughly using warm water.
6. Remove excess water.

## **Pressure Washing**

Pressure washing is another option for cleaning your flooring system. For most applications, use of low water pressure, not to exceed 1,000 psi, with a wide-spray fan tip is recommended.

1. Sweep all loose debris from the floor.
2. Dilute a suitable cleaner to the manufacturer's recommended concentration.
3. Place diluted cleaner in the pressure washer system.
4. Pressure wash floor to clean.
5. Use clean water in pressure washer to rinse floor.
6. Remove excess water with squeegees or wet/dry vacuum.

## **Inspection**

Visual inspections of the entire surface should be made periodically to assess system performance. If the floor has sustained any damage, corrective action should be taken promptly to assure a long-lasting, durable floor.



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## **Repair of the Coating System**

In the event that the coating system is damaged, plans should be made to repair the area(s) promptly. Follow the basic steps below to achieve a permanent repair.

1. Determine the cause of the damage and remove the source so that it will not happen again.
2. Remove all loose, damaged, or poorly bonded coating. Depending on the severity of the damage, this can be done using a grinding wheel, shot blasting, sanding, or any mechanical means that are appropriate. The area should be squared off to create a neat patch.
3. Use the same coating to make repairs as the one that was initially used to coat the surface.
4. Mix coating materials in accordance to the product's technical data sheet.
5. Apply the coating system to the patch in the same manner as the initial installation.
6. Allow repaired area to fully cure before opening to traffic or loads of any nature that could damage the repair area.

If you have any further questions, please contact Technical Support at (800) 321-7628.