

## ENDURABLE POLISH PROTECTOR

Endurable Polish Protector is a superior burnishable sealer. The technology provides multiple advantages over standard polished concrete sealers on the market.

### ADVANTAGES

- Gloss or Matte finish
- Quick to dry
- Easy micro-fiber application
- Low VOC content and low odor
- Impressive chemical resistance
- Good durability
- Good UV stability
- Good against hot tire pick-up

### WHERE TO USE

Polished/ground concrete, terrazzo, and polishable overlays.

### PACKAGING

Product is available in 2-gallon concentrates.

### TEST AREA

Performing a test area is advisable to make sure the product is suitable for your surface.

### COVERAGE RATES

#### INTERIOR SURFACES

1000 - 1500 square feet per gallon depending on porosity of surface and level of preparation

### PRODUCT AVAILABILITY

Product is available at retail distributors around the world. Visit the Endurable website to find the nearest distributor.

### REGULATORY INFORMATION

#### VOC CONTENT - <100g/L

USDA - In accordance with USDA regulations 9 CFR, Section 416.4 and the Food Safety Inspection Service's "Sanitation Performance Compliance Guide," Endurable issues this statement of assurance: When properly applied, Endurable Polish Protector contains no harmful compounds that will contaminate food and meat handling and processing equipment or facilities. In addition, product will make concrete floors and walls less porous and easier to clean, creating an environment that is less susceptible to the proliferation of harmful bacteria.

#### LEED

At less than 100 g/L of VOC content, product contributes towards LEED certification.

## PREPARATION

Endurable Polish Protector is intended for interior concrete surfaces. Apply to dry, porous concrete. New concrete should be allowed to cure for at least 28 days. All surfaces need to be clean, dry, and free of bond-breaking contaminants.

Endurable Surface Cleaner is the recommended product to use for surface preparation. Please refer to the technical data sheet for application instructions of the Endurable Surface Cleaner. **ACIDIC OR ALKALINE CLEANERS AND ETCHING PRODUCTS ARE NOT RECOMMENDED.**

### INTERIOR SURFACE PREPARATION

Before application of sealer, make sure surface is free from dirt, oils, carpet and tile glue, or previous sealers. For optimum results, open troweled concrete mechanically. Diamond grind the surface to a suitable profile. Please refer to the Endurable Grind and Seal System specification on the Endurable website. Repair and grout cracks, pop-outs, and joints with suitable joint and patching compounds.

**Hardening:** Softer concrete may need to have 1 - 3 applications of Endurable Concrete Hardener depending on hardness of concrete.

**Grouting and Joint Repair:** Apply suitable joint and grout materials. Grind off excess materials before application of Endurable Polish Protector.

### REMOVAL OF EXISTING SEALERS

It is advisable to remove all existing sealers with Endurable Power or Vertical Stripper. Follow the instructions and videos on how to remove existing sealers available at the Endurable website.

### POLISHED CONCRETE PREPARATION

For polished concrete, follow the Architectural Specification available on the RESOURCES menu at the Endurable website.

## MOISTURE TESTING

Performing moisture testing is recommended to determine if the substrate is suitable for sealing with Endurable Polish Protector. A Calcium Chloride test or an RH meter may help determine the moisture drive/content of the concrete.

A piece 2 mil plastic may also be taped to the surface for approximately 24 hours if no testing equipment is available.

A combination of two or more of these tests is recommended for comprehensive analysis.

A Calcium Chloride reading above 5lbs can yield less than desirable results. A reading of 75% or higher on an RH meter can yield less than desirable results.

Coring meters are much more reliable than surface RH meters. Tape a piece of 2 mil plastic on all sides to the surface for 24 hours. If moisture is present after 24 hours, the concrete may have a moisture problem.

If it appears the concrete has a moisture issue, then the problem must be mitigated before the application of sealer. One option to mitigate moisture issues is to use Endurable Concrete Hardener. Spray a minimum of three heavy applications. Wait 24 hours and repeat moisture testing. If problem still exists, repeat application of Endurable Concrete Hardener until problem is mitigated.

## PH TESTING

Before Endurable Polish Protector is applied it is advisable to test the pH of the concrete. The pH of the concrete should be between 8 and 10. To test the pH of a concrete surface, use the Endurable pH Pencil. Please refer to the technical data sheet of Endurable pH Pencil for application instructions.

Many concrete cleaners are acidic or alkaline and leave the surface acidic or alkaline. Improper pH levels in the concrete can prohibit sealers and coatings, including Endurable Polish Protector, from curing properly.



## MIXING INSTRUCTIONS

Shake well before use. It is not recommended to break down into smaller quantities. Mix 1 to 1 with water or up to 2 parts water. Use a mixing drill and paddle. Product may be used without adding water. Use a drill and paddle at low speed for minimum of 2 minutes. It may be beneficial to strain product before use.

## APPLICATION TOOL OPTIONS

- Pump up sprayer capable of spraying sealer with a .05 to .15 gpm conical tip at 40 psi (on smooth surface concrete use a maximum .05 - .08 gpm conical tip)
- T-Bar floor coaters and coater refills
- Microfiber Pad

## APPLICATION INSTRUCTIONS

Apply first coat via pump sprayer. **SPRAY EVENLY AND DO NOT OVER APPLY.** Using a damp microfiber or T - Bar applicator, spread Endurable Polish Protector evenly. Try to maintain a wet edge without overlapping. Allow to dry to the touch for foot traffic. Dry times can be between 15-60 minutes depending on porosity, humidity, and temperature. For best results, wait 30 - 60 minutes after product is walkable to burnish.

## BURNISHING

When sufficiently dry, burnish Endurable Polish Protector with suitable burnish pads. Burnish to desired gloss level with different types of pads or grit levels. If another coat is needed, repeat previous steps for application and burnish.

## DRY TIMES

Light traffic is possible after burnishing and heavy traffic is possible after 8 hours. Avoid subjecting Endurable Polish Protector to liquids and cleaning for 24 - 48 hours after burnishing. Avoid subjecting the sealer to freezing temperatures for 24 - 36 hours after burnishing.

## CLEANUP

After application, tools may be cleaned using soap and water, or acetone

## POLISHABLE OVERLAYS

Endurable Polish Protector is an excellent choice for polishable overlays. Apply the same preparation, mixing, and application instructions for polishable overlays as instructed for polishable concrete.

## REAPPLICATION

When the time comes to reseal the Endurable Polish Protector, scuff or screen the surface with scuffing pads on a burnisher or floor buffer, or with sanding screens. Clean the surface with Endurable Surface Cleaner and apply a coat of Endurable Polish Protector in the same manner as original installation. Product should be mixed at 1:1 with water or up to 2 parts water.

## MAINTENANCE

Use Endurable Surface Cleaner for cleaning. Refer to the technical data on the Endurable website for mixing and application instructions. Routine buffing with a light pad on a low-speed buffer or burnisher can help maintain an even sheen and a clean surface. The floor may be buffed/burnished with burnish and cleaning pads. Rougher pads with heavy machines can cause more wear.





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## STORAGE AND SHELF LIFE

Product has a shelf life of a minimum of 1 year in original containers. Store product between 40 to 80 degrees Fahrenheit. Keep product free from excessive heat, moisture, and freezing. If product appears thick or clumpy when dispensing into a bucket, product may have expired or has been left in excess heat or frozen for a period of time.

**DO NOT USE IF THIS HAPPENS. CALL 800-910-3120 EXT 1.**

## SAFETY

Use with proper ventilation. May cause eye and skin irritation. If you experience headaches, dizziness, or watery eyes, you may wear an Organic Vapor Respirator. As with any chemical, respirators, eye protection, and gloves are recommended.

## LIMITATIONS

Product should be applied in thin coats. Do not over-apply. Product must be applied to clean, dry substrates. It is recommended to apply to porous surfaces for longest-lasting results. Product should not be applied to concrete with moisture related issues. It is not advisable to apply any type of tape to the Endurable Polish Protector. Mixing product at 2 parts water to 1 part product may lower the chemical resistance and durability.

## WARRANTY

Evaluate whether this product is suitable for your intended application. Conditions of product use are outside of our control and vary widely, the following is made in lieu of all express or implied warranties of merchantability: Our only obligation and your only remedy are replacement of product, at the option of Endurable. In no case will Endurable be liable for any direct, indirect, special, incidental, or consequential damages including lost profits, goodwill, or business opportunity.

## TECHNICAL ASSISTANCE

For technical questions or support, call 800-910-3120 ext. 1 between the hours of 8:30 am to 4:30 pm PST.

