

---

**DESCRIPTION**

Premera Crystal Guard is part of the One Day Polish system: Step 1 is a densify and polish step, and Step 2 is a Guard that protects from food and drink acids and stains and can be continuously burnished. Premera Crystal Guard is a single component, polycarbonate polymer that provides abrasion and chemical stain resistance to polished concrete created with Crystal Densifier. Premera Crystal Guard is the most stain resistant guard product on the market, providing several hours to permanent protection against coffee, vinegar, pickle juice, red wine, soda and others common stain causing agents. Crystal Densifier is applied with a microfiber pad, and burnished with a 3000 grit diamond pad followed by a white buffing pad. The Premera One Day Polish System significantly reduces time to polish concrete, while also providing high chemical and abrasion resistance to concrete.

---

**FEATURES**

- VOC-Compliant, Low Odor, Water-based formula
- Single component, microfiber on clear polymer
- Excellent shine retention
- Excellent abrasion resistance
- Excellent chemical and stain resistance
- Non-yellowing, UV stable
- Easily burnish with white pad to pop shine if wear occurs
- Easy-clean effect greatly reduces maintenance costs

---

**TYPICAL USES**

- Over Premera Crystal Densifier
- Concrete floors
- Concrete countertops

---

**COLORS**

Milky white, always dries clear.

---

**PACKAGING**

1 gallon buckets, 5 gallon pails, 55 gallon drums, 275 gallon totes

---

**COVERAGE**

Calculation for theoretical coverage: 800-1000 Ft<sup>2</sup>/gal on Concrete @ Recommended application rate 2 mils WFT.

---

**STORAGE**

Twelve months in factory delivered, unopened drums. Store on pallets and keep away from extreme heat, freezing, and moisture. Store at temperatures between 50 °F and 80 °F (10 °C and 27 °C).

---

**MIXING**

Ready to use. There is no need for mixing or diluting.

| TECHNICAL DATA (All values @ 77 °F / 25 °C)                                                             | US                                            | Metric                                          |
|---------------------------------------------------------------------------------------------------------|-----------------------------------------------|-------------------------------------------------|
| Volatile organic compounds (ASTM D2369)                                                                 | < 1 lb./gal                                   | <150 gm/ liter                                  |
| Theoretical coverage                                                                                    | 800-1000 Ft <sup>2</sup> /gal @<br>2 mils DFT | 20-25 m <sup>2</sup> /liter @ 50<br>Microns WFT |
| Specific Gravity of materials (ASTM D792)                                                               | 8.5 lbs./gal                                  | 0.96 kg/ liter                                  |
| Shelf life @ 77 °F /25 °C                                                                               | 12 Months                                     | 12 Months                                       |
| Application Temperature                                                                                 | 50 – 95 °F                                    | 10 – 35 °C                                      |
| PROCESSING PROPERTIES (Under standard lab conditions)                                                   |                                               |                                                 |
| Touch Dry                                                                                               | 10-20 Minutes                                 |                                                 |
| Tack Time / Time Until Burnishable                                                                      | 60 Minutes                                    |                                                 |
| Burnishable Window                                                                                      | 24 Hours                                      |                                                 |
| Recoat interval                                                                                         | After 60 minutes                              |                                                 |
| Foot Traffic                                                                                            | 4 Hours                                       |                                                 |
| To be exposed to vehicular traffic                                                                      | 48 Hours                                      |                                                 |
| <i>Properties and values are highly dependent on temperature. Variations are possible and expected.</i> |                                               |                                                 |

---

**PREPARATION**

---

Protect all surfaces not designated for coating application. Do not apply to surfaces that are frozen, dirty, or have standing water, grease, oil or other contaminants. Intended surfaces must be clean, dry and absorbent. Confirm surface absorbency with a light water spray - intended surface should wet uniformly. If surface does not wet uniformly, use a recommended cleaner, auto scrubber, power washer or other process to remove surface contaminants. Surface must be clean and dry prior to application.

**EXISTING POLISHED CONCRETE**

Intended surface must be clean, dry and structurally sound. Remove any and all contaminants including bond breakers, surface grease and oil, dust and debris. For larger surface areas, use an autoscrubber with an appropriate cleaner. Surface must be dry prior to application of PREMERA products. Once existing floor is clean and dry, Crystal Guard may be applied.

**NEW CONCRETE REQUIRING POLISHING**

New concrete must be cured out at least 28 days. If a specific aggregate exposure is required, grind concrete as normal to exposure aggregate. Once aggregate is exposed, bring concrete to a 100 transitional profile. Ensure all deep surface scratches are removed with the 100 transitionals prior to applying Crystal Densifier, surface scratches will transfer through if not removed. Remove all dust, debris and contaminants from surface after 100 transitional profile is achieved. Once surface is clean and dry, Crystal Densifier is ready to be applied. Once Crystal Densifier has been burnished to desired sheen, Crystal Guard may be applied.

**EXISTING CONCRETE REQUIRING POLISHING**

If a specific aggregate exposure is required, grind concrete as normal to exposure aggregate. Once aggregate is exposed, bring concrete to a 100 transitional profile. Ensure all deep surface scratches are removed with the 100 transitionals prior to applying Crystal Densifier, surface scratches will transfer through if not removed. Remove all dust, debris and contaminants from surface after 100 transitional profile is achieved. Once surface is clean and dry, Crystal Densifier may be applied. Once Crystal Densifier has been burnished to desired sheen, Crystal Guard may be applied.

**NEW VCT**

Crystal Guard may be applied directly to new, untreated and unsealed VCT tile as a burnishable sealer. Ensure surface is free of dust, debris and contaminants. Once surface is clean and dry, Crystal Guard may be applied.

**EXISTING VCT**

Strip all existing wax from existing VCT floors. Remove all dust, debris and contaminants from surface after stripping floors. Once floors are clean and dry after stripping, Crystal Guard may be applied.

**SURFACE & AIR TEMPERATURE** - 50 - 95F (10C - 35C)

**EQUIPMENT** - Microfiber pad, High Speed Propane Burnisher

**STORAGE & HANDLING** - Store in a cool, dry place <80F. Always seal container after dispensing. Published shelf life assumes upright storage of factory-sealed containers in a dry place <80F.

---

**APPLICATION**

---

Before use, read Preparation, Hazard and Precautionary Statements. ALWAYS TEST using the equipment and procedures prior to starting the job.

**TYPICAL COVERAGE RATES**

800-1000 Square Feet per US gallon

\*Coverage rates will vary based on substrate porosity and application method.

To calculate consumption rate, measure at least a 100 square foot area representative area and measure the amount of Crystal Guard required to get even coverage.

### **BEFORE USE**

Mix Crystal Guard well before use. Ensure surface is free of any dust, debris and other contaminants. Dust may settle back onto floor between surface preparation and application and may affect finish of Crystal Guard. Once surface is clean and dry, Crystal Guard may be applied.

### **APPLICATION INSTRUCTIONS**

For best results, apply over concrete which was polished with Premera Crystal Densifier or sealed with Premera T2 MCM.

1. Wet microfiber pad with Crystal Guard prior to application.
2. Pour enough Crystal Guard onto floor to cover immediate application area.
3. Spread evenly with damp microfiber pad. Maintain a thin, even coating and wet edge. Stop spreading once drying begins. For best results, use two people - one person pouring and one person spreading.
4. Wait at least 1 hour for product to dry and be ready to burnish.
5. Burnish Crystal Guard using the following method:  
Crystal Guard will become ready to burnish within 60-120 minutes depending on temperature. After 60-120 minutes, use a propane powered burnisher without a dust control skirt on it, otherwise streaks will be left in the finish. The burnisher must be propane powered. Example of an appropriate burnisher is the Pioneer Eclipse PE420BU 28" Propane Burnisher. Use a 3000 grit diamond pad to burnish the film. Run RPMs at mid power setting. Walk at a medium speed pace of approximately 20 feet every 30 seconds, letting the burnisher heat up film. Retrace burnished path, walking backwards. On the next path, overlap previous path by about 1/3rd, or 10 inches.. After burnishing with 3000 grit diamond pad, do a final burnish over the entire area with a white pad.  
1 crew of 2 people with 1 burnisher should be able to do approximately 2000 square feet per hour.  
Concrete porosity varies, and there may be dull spots after burnishing. In areas where the concrete absorbs more product, dull areas can be spot treated. When spot treating, wait until previously applied product is dry for at least 1 hour before spot treating to prevent damaging the existing film by applying too early. Follow normal application above instructions to burnish spot treated area.

CLEAN UP - Clean tools with water after application.

### **WARRANTIES AND DISCLAIMERS**

*Premera Coating Systems, a Texas, USA Corporation warrants that this product shall conform to the technical specifications published in the product literature. The quality and fitness of the product is dependent upon the proper use and application of the product by the applicator. Premera Coating Systems has no role in the application of the finished polymer other than to manufacture and supply its components. It is vital that the person applying this product understands the product and is fully trained and certified in the use of spray equipment and application of Premera Coatings materials. There are no warranties that extend beyond the description on the face of this instrument, except when provided in writing, directly by Premera Coating Systems and executed under seal by a company officer.*