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PREMERA CRYSTAL GUARD

Premera Crystal Guard is a breakthrough in polished concrete guard technology. Crystal Guard is the world's first self-cleaning guard. While very difficult to stain, Crystal Guard uses active-pH technology to enable high alkalinity to break down, dissolve, and eliminate stains automatically after several days. Highly abrasion-resistant, Crystal Guard will protect polished concrete's shine and appearance far longer than any Guard on the market.

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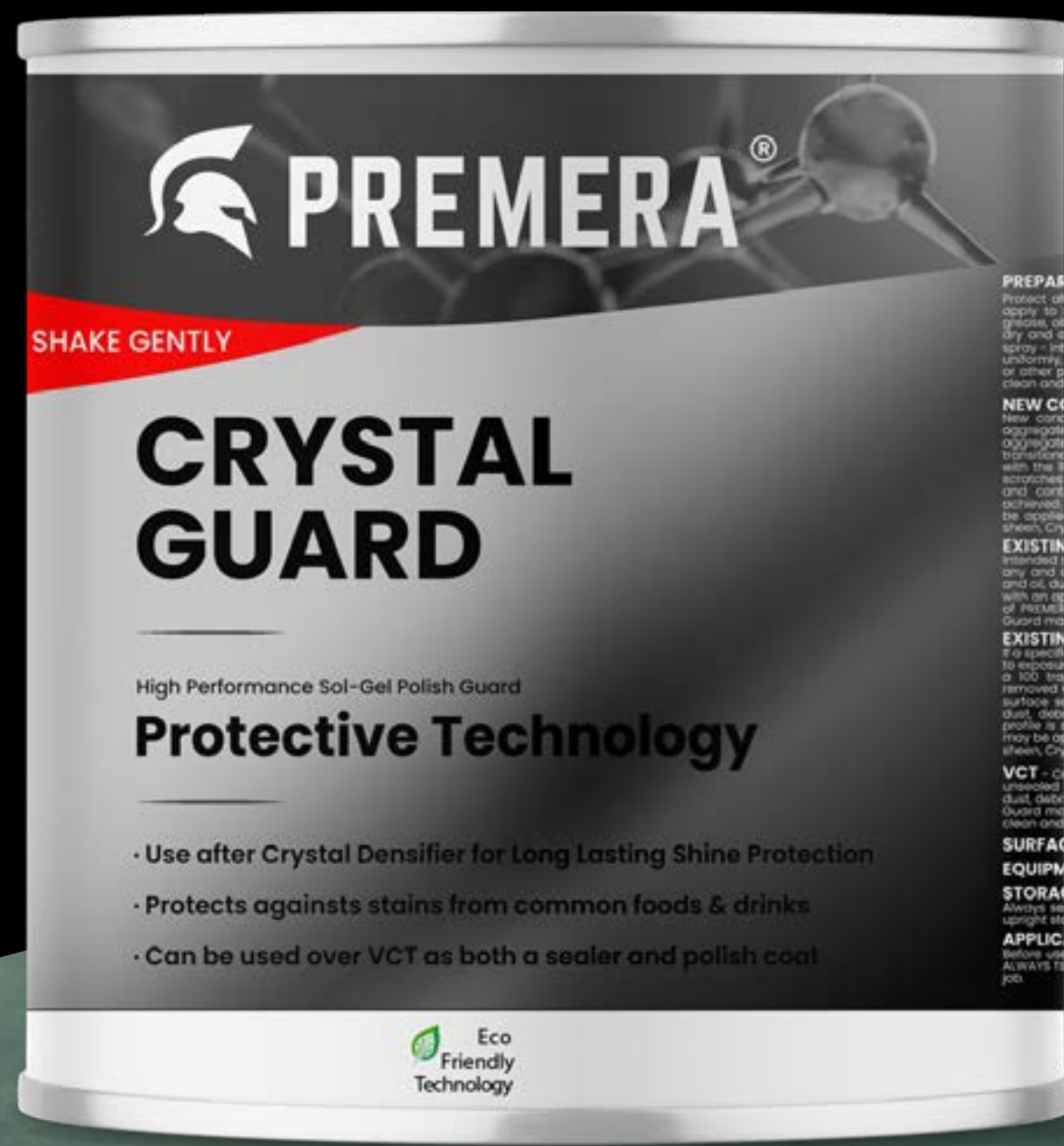
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KEY FEATURES



01

Crystal Clear Durability:

Crystal Guard, with its unique polycarbonate composition, delivers an ultra-durable, glass-clear finish to polished concrete.



02

High Performance Stain Fighting:

Crystal Guard is impervious to vinegar, pickle juice, red wine, citric acid including lime and lemon juice, coffee, and more.



03

Ultra Fast Burnishing:

One hour after application, burnish Crystal Guard with a high-speed burnishing machine using a 3000 grit diamond pad for maximum shine.



04

UV Stable:

Crystal Guard is UV stable, appropriate for outdoor and indoor applications.



05

Versatile Finishes:

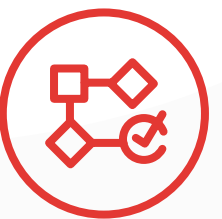
Crystal Guard can be matted down to satin or matte using a mix-before-use matting agent.



06

Versatile Applications:

Crystal Guard can be applied to VCT to both seal and, after burnishing, shine the VCT to have a high gloss reflectivity.



APPLICATIONS



01

Direct to Polished or Smooth Substrates:

Crystal Guard can bond directly to polished concrete, terrazzo, stone tile, and more, uniquely delivering both high performance stain and abrasion resistance.

02

Perfect VCT Solution:

Crystal Guard replaces both VCT sealers and waxes in just one product. Apply Crystal Guard to seal VCT, and then burnish to get a durable, high gloss shine.

Why Crystal Guard?

Familiar yet superior, Crystal Guard will apply much the same way as other guards on the market; however, it far exceeds their performance due to superior chemical composition.

PROPERTIES



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 ² /gal @ 2 mils DFT	20-25 m ² /liter @ 50 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>		

SURFACE PREPARATION

Protect all surfaces not designated for coating application. Do not apply to frozen, dirty, or water-contaminated surfaces. Ensure intended surfaces are



clean



dry



absorbent

New Concrete

Once concrete is polished using either traditional methods or Crystal Densifier, concrete is ready for Crystal Guard application.

Existing Concrete

Surface must be clean, dry, and structurally sound. Remove contaminants. For larger areas, an auto scrubber can be used. The surface must be dry and dust-free prior to application.

Existing VCT

Existing VCT floors must be stripped of existing wax before Crystal Guard application. Once stripped, clean and dry, Crystal Guard may be applied.

New VCT

Crystal Guard may be applied to new VCT instead of a sealer. Crystal Guard will replace both sealer and wax with the ability to burnish 1 hour after application. Ensure VCT is dry and dust & debris free prior to application.

01

Surface & Air Temperature

Maintain between 45°F – 105°F (7°C – 40°C).

02

Equipment

Use a microfiber mop to apply Crystal Guard. Use a propane high-speed burnishing machine to burnish with a 3000 grit diamond pad, and finish with a 3M white pad.

03

Storage & Handling

Store in a cool, dry place <80F. Seal container after dispensing. Published shelf life assumes upright storage in a dry place <80F.

04

05

06

07



APPLICATION GUIDELINES

01

Horizontal Surfaces

- 01.1 Shake the closed container gently to avoid air entrapment.
- 01.2 Ensure a dust-free surface; wipe surface immediately before applying Crystal Guard.

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